

# Mix-n-Stain™ CF® Dye Antibody Labeling Kits

Label your IgG antibody with one of our superior CF® Dyes in as little as 15 minutes without a purification step. Labeling tolerates many common buffer components including BSA and ascites.



#### **Product attributes**

Call us: 800-304-5357

Email: techsupport@biotium.com

## **Product Description**

Mix-n-Stain™ CF® Dye Antibody Labeling Kits allow you to label ≤5 ug up to 100 ug of your lgG antibody in as little as 15 minutes, with minimal hands-on time and no purification.

**Note:** This kit is for labeling IgG antibodies only. For labeling IgM antibodies, please see our Mix-n-Stain™ CF® Dye IgM Antibody Labeling Kits.

#### **Unrivaled Convenience**

Mix-n-Stain™ labeling tolerates common antibody buffer formulations. An ultrafiltration centrifuge vial is provided to quickly remove interfering substances like glycerol, or to concentrate your antibody. With a slight modification in protocol, antibodies can be labeled in the presence of BSA, gelatin, or ascites fluid. Because CF® Dyes are highly water soluble, the presence of other proteins like BSA or gelatin in the labeling reaction has minimal effect on background fluorescence, because any labeled non-antibody proteins readily wash away during immunofluorescence staining.

#### Superior CF® Dyes

These kits feature a choice of 31 of Biotium's next-generation CF® Dyes, which were designed for advantages in brightness and photostability compared to other commercially available fluorescent dyes. Learn more about CF® Dyes.

#### Choose the Right Labeling Kit for Your Antibody

Mix-n-Stain<sup>TM</sup> Antibody Labeling Kits are very simple to use (see the workflow overview above). But before you begin, you must check that your antibody meets the compatibility requirements for labeling, and choose the right labeling protocol. Download the updated and expanded <a href="Protocol for a">Protocol for a</a> labeling check list to help you select the right kit size and labeling protocol for your antibody. Also see our <a href="Kit Compatibility and Protocol Selection Flowchart">Kit Compatibility and Protocol Selection Flowchart</a>.

See the product table below for a quick reference of the maximum excitation and emission of each CF® Dye, or see our CF® Dye Brochure for more detailed dye information.

#### Other Labeling Kits

We now offer Mix-n-Stain™ Maxi Antibody Labeling Kits for labeling 1 mg of IgG antibody with CF® Dyes, as well as Mix-n-Stain™ CF® Dye IgM Antibody Labeling Kits and Mix-n-Stain™ Nanobody Labeling Kits. Mix-n-Stain™ kits also are available for labeling antibodies with biotin, DNP, or DIG. See our full selection of Mix-n-Stain™ Antibody Labeling Kits.

# Mix-n-Stain™ CF® Dye Antibody Labeling Kits

Conjugation	Ex/Em	Size	Catalog No.	Dye Features
CF®350	347/448 nm	5-20 ug	92270	CF®350 Features
		20-50 ug	<u>92250</u>	
		50-100 ug	92230	
<u>CF®405S</u>	404/431 nm	5-20 ug	<u>92271</u>	CF®405S Features
		20-50 ug	<u>92251</u>	
		50-100 ug	<u>92231</u>	
<u>CF®405M</u>	408/452 nm	5-20 ug	92272	CF®405M Features
		20-50 ug	92252	
		50-100 ug	92232	
CF®405L	395/545 nm	5-20 ug	92303	CF®405L Features
		20-50 ug	<u>92304</u>	
		50-100 ug	<u>92305</u>	
		3x(5-20 ug)	<u>92445</u>	
F®430	426/498 nm	5-20 ug	92316	CF®430 Features
<u>1 0 100</u>	TEO/ TOO IIIII	20-50 ug	<u>92317</u>	<u>01 0 100 1 00000</u>
		50-100 ug	<u>92318</u>	
F®440	440/515 nm	5-20 ug	<u>92316</u> 92319	CF®440 Features
<u> </u>	440/3131III	5-20 ug 20-50 ug		OI WHHU FEALUIES
		•	<u>92320</u>	
Te 450	450/500	50-100 ug	<u>92321</u>	0594505
F®450	450/538 nm	5-20 ug	92322	CF®450 Features
		20-50 ug	<u>92323</u>	
		50-100 ug	<u>92324</u>	
F®488A	490/515 nm	5-20 ug	<u>92273</u>	CF®488A Features
		20-50 ug	<u>92253</u>	
		50-100 ug	<u>92233</u>	
		3x(5-20 ug)	<u>92446</u>	
<del>-</del> ®514	516/548 nm	5-20 ug	<u>92331</u>	CF®514 Features
		20-50 ug	<u>92332</u>	
		50-100 ug	92333	
F <u>®532</u>	527/558 nm	5-20 ug	92289	CF®532 Features
<u>51 - 5502</u>		20-50 ug	92290	
		50-100 ug	<u>92291</u>	
F®543	541/560 nm	5-20 ug	<u>92287</u>	CF®543 Features
<u>JF®343</u>	0+1/300 HH	20-50 ug	<u>92267</u>	OI WOTO I CALUICS
		•		
	EEE/EGE noo	50-100 ug	<u>92247</u>	CEMEEE Footures
F <u>®555</u>	555/565 nm	5-20 ug	<u>92274</u>	CF®555 Features
		20-50 ug	92254	
F0.F00	E06 (555	50-100 ug	<u>92234</u>	05
<del>-</del> ®568	562/583 nm	5-20 ug	<u>92275</u>	CF®568 Features
		20-50 ug	<u>92255</u>	
		50-100 ug	<u>92235</u>	
		3x(5-20 ug)	<u>92447</u>	
<del>-</del> ®570	568/591 nm	5-20 ug	<u>92334</u>	CF®570 Features
		20-50 ug	<u>92335</u>	
		50-100 ug	<u>92336</u>	
CF®583	583/606 nm	5-20 ug	<u>92337</u>	CF®583 Features
		20-50 ug	<u>92338</u>	
		50-100 ug	92339	
F®583R	586/609 nm	5-20 ug	<u>92455</u>	CF®583R Features
<del></del>		20-50 ug	<u>92456</u>	
		50-100 ug	<u>92457</u>	
- - - - 8594	593/614 nm	5-20 ug	<u>92276</u>	CF®594 Features
<del></del>	555/01 <del>4</del> HHI	20-50 ug	<u>92276</u> 92256	OT WOOT TEALUTES
		50-100 ug	<u>92236</u>	
	507/2/2	3x(5-20 ug)	<u>92448</u>	0505070
<u>-®597R</u>	597/619 nm	5-20 ug	<u>92461</u>	CF®597R Features
		20-50 ug	<u>92462</u>	
		50-100 ug	<u>92463</u>	
F <u>®633</u>	630/650 nm	5-20 ug	<u>92277</u>	CF®633 Features
		20-50 ug	<u>92257</u>	
		50-100 ug	<u>92237</u>	
CF®640R	642/662 nm	5-20 ug	<u>92278</u>	CF®640R Features
		20-50 ug	92258	S. COTOTT CALAIGS
		20-30 ug	OLLOO	

CF9647         650/665 nm         5-20 ug         92279         CF9647 Features           20-50 ug         92238         92238           50-100 ug         92238         92238           CF9660R         663/682 nm         5-20 ug         92281         CF9660R Features           20-50 ug         92281         CF9660C Features         92280         CF9660C Features           20-50 ug         92280         CF9660C Features         92280         CF9660C Features           20-50 ug         92280         CF9660C Features         92280         CF9660C Features           20-50 ug         92282         CF9680 Features         92282         CF9680 Features           20-50 ug         92282         CF9680 Features         92500         92283         CF9680 Features           20-50 ug         92283         CF9680 Features         92500         92283         CF9680 Features           20-50 ug         92283         CF9680 Features         92500         92283         CF9670 Features           20-50 ug         92283         CF9700 Features         92283         CF9700 Features           20-50 ug         92281         CF970 Features         92281           20-50 ug         92582         CF9740 Features	Conjugation	Ex/Em	Size	Catalog No.	Dye Features
CF-0660R	CF®647	650/665 nm	5-20 ug	92279	CF®647 Features
SX(5-20 ug)   92449			20-50 ug	<u>92259</u>	
CF®660R         663/682 nm         5-20 ug         92281         CF®660R Features           0-50 ug         92243         CF®660C         667/685 nm         5-20 ug         92280         CF®660C Features           0-50 ug         92280         CF®680 Features         5-20 ug         92280         CF®680 Features           0-50 ug         92239         CF®680 Features         680/701 nm         5-20 ug         92282         CF®680 Features           0-50 ug         92240         CF®680 Features         680/701 nm         5-20 ug         92283         CF®680 Features           0-50 ug         92246         CF®700 ug         92246         CF®700 Features           0-50 ug         92426         CF®700 Features         CF®700 Features           0-50 ug         92426         CF®700 Features           0-50 ug         92580         CF®710 Features           0-50 ug         92580         CF®710 Features           0-60 ug         92580         CF®710 Features           0-50 ug         92583         CF®725 Features           0-60 ug         92583         CF®726 Features           0-50 ug         92583         CF®726 Features           0-50 ug         92577         CF®720 ug			50-100 ug	<u>92238</u>	
CF@660C			3x(5-20 ug)	<u>92449</u>	
Solido	<u>CF®660R</u>	663/682 nm	5-20 ug	<u>92281</u>	CF®660R Features
CF-8660C       667/685 nm       5-20 ug       92280       CF-8660C Features         20-50 ug       92280       CF-8660C Features         60-100 ug       92239       CF-8680 Features         CF-8680R       681/698 nm       5-20 ug       92282       CF-8680 Features         CF-8680R       680/701 nm       5-20 ug       92283       CF-8680 Features         CF-8700       695/720 nm       5-20 ug       92283       CF-8680 Features         CF-8710       5-20 ug       92425       CF-8700 Features         CF-8710       712/736 nm       5-20 ug       92426       CF-8700 Features         CF-8710       712/736 nm       5-20 ug       92579       CF-8710 Features         CF-8725       729/750 nm       5-20 ug       92580       CF-8710 Features         CF-8726       729/750 nm       5-20 ug       92581       CF-8725 Features         CF-8740       742/767 nm       5-20 ug       92572       CF-8740 Features         CF-8750       755/779 nm       5-20 ug       92577       CF-8740 Features         CF-8750       755/779 nm       5-20 ug       92284       CF-8750 Features         CF-8790       784/806 nm       5-20 ug       92285       CF-8750 Features			20-50 ug	<u>92261</u>	
CF-0680			50-100 ug		
CF-0680         681/698 nm         50-100 ug         92239         CF-0680 Features           CF-0680         681/698 nm         5-20 ug         92262         CF-0680 Features           CF-0680R         680/701 nm         5-20 ug         92283         CF-0680 Features           CF-0700         695/720 nm         5-20 ug         92245         CF-0700 Features           CF-0710         712/736 nm         5-20 ug         92426         CF-0710 Features           CF-0710         712/736 nm         5-20 ug         92599         CF-0710 Features           CF-0725         729/750 nm         5-20 ug         92581         CF-0725 Features           CF-0725         729/750 nm         5-20 ug         92582         CF-0725 Features           CF-0740         742/767 nm         5-20 ug         92583         CF-0725 Features           CF-0740         742/767 nm         5-20 ug         92576         CF-0740 Features           CF-0750         755/779 nm         5-20 ug         92277         CF-0750 Features           CF-0770         770/797 nm         5-20 ug         92284         CF-0750 Features           CF-0770         770/797 nm         5-20 ug         92285         CF-0770 Features           CF-0790	<u>CF®660C</u>	667/685 nm	5-20 ug	<u>92280</u>	CF®660C Features
CF@680       681/698 nm       5-20 ug       92282       CF@680 Features         CF@680R       680/701 nm       5-20 ug       92240         CF@680R       680/701 nm       5-20 ug       92283       CF@680R Features         20-50 ug       92263       CF@700 Features       695/720 nm       5-20 ug       92426       CF@700 Features         CF@710       695/720 nm       5-20 ug       92426       CF@700 Features       695/720 nm       5-20 ug       92579       CF@710 Features         CF@710       712/736 nm       5-20 ug       92580       CF@710 Features       695/720 nm       5-20 ug       92581       CF@710 Features       695/720 nm       5-20 ug       92581       CF@710 Features       695/725 Features <td></td> <td>20-50 ug</td> <td><u>92260</u></td> <td></td>			20-50 ug	<u>92260</u>	
20-50 ug   92262   50-100 ug   92240   CF-0680R   680/701 nm   5-20 ug   92283   CF-0680R Features   20-50 ug   92283   CF-0680R Features   20-50 ug   92246   CF-0700   695/720 nm   5-20 ug   92426   CF-0700 Features   20-50 ug   92426   CF-0700 Features   20-50 ug   92426   CF-0700 Features   20-50 ug   92579   CF-0710 Features   20-50 ug   92580   CF-0710 Features   20-50 ug   92580   CF-0710 Features   20-50 ug   92580   CF-0725 Features   20-50 ug   92581   CF-0725 Features   20-50 ug   92581   CF-0725 Features   20-50 ug   92581   CF-0726 Features   20-50 ug   92576   CF-0726 Features   20-50 ug   92578   CF-0726 Features   20-50 ug   92578   CF-0726 Features   20-50 ug   92284   CF-0726 Features   20-50 ug   92284   CF-0726 Features   20-50 ug   92285   CF-0726 Features   20-50 ug   92286   CF-0726 Features   20-50 ug   922430   CF-0726 Features   20-50 ug   92430   CF-0726 Features   20-50 ug   20-50 ug   20-50 ug   20-50 ug   20-50 ug   20-50 ug   20-50 ug			50-100 ug	<u>92239</u>	
S0-100 ug   92240	<u>CF®680</u>	681/698 nm	5-20 ug	<u>92282</u>	CF®680 Features
CF®680R       680/701 nm       5-20 ug       92283       CF®680R Features         20-50 ug       92263       50-100 ug       92264         CF®700       695/720 nm       5-20 ug       92425       CF®700 Features         20-50 ug       92426       CF®700 Features         20-50 ug       92427       CF®710 Features         CF®710       712/736 nm       5-20 ug       92580         50-100 ug       92581       CF®725 Features         20-50 ug       92582       CF®725 Features         20-50 ug       92584       CF®725 Features         CF®740       742/767 nm       5-20 ug       92576       CF®740 Features         CF®750       755/779 nm       5-20 ug       92578       CF®740 Features         CF®750       755/779 nm       5-20 ug       92284       CF®750 Features         CF®770       770/797 nm       5-20 ug       92285       CF®770 Features         CF®790       784/806 nm       5-20 ug       92285       CF®790 Features         CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         CF®820       822/835 nm			20-50 ug	<u>92262</u>	
CF@700			50-100 ug	<u>92240</u>	
CF®700	<u>CF®680R</u>	680/701 nm	5-20 ug	<u>92283</u>	CF®680R Features
CF®700       695/720 nm       5-20 ug       92425       CF®700 Features         20-50 ug       92427       20-50 ug       92427         CF®710       712/736 nm       5-20 ug       92579       CF®710 Features         20-50 ug       92580       20-50 ug       92580         50-100 ug       92581       CF®725 Features         20-50 ug       92582       CF®725 Features         20-50 ug       92584       CF®740 Features         CF®740       742/767 nm       5-20 ug       92576       CF®740 Features         20-50 ug       92578       CF®740 Features         CF®750       755/779 nm       5-20 ug       92284       CF®750 Features         20-50 ug       92284       CF®750 Features         20-50 ug       92285       CF®770 Features         CF®770       770/797 nm       5-20 ug       92285       CF®770 Features         CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         CF®800       797/816 nm       5-20 ug       92429         CF®800       822/835 nm       5-20 ug       92431       CF®820 Features <td></td> <td></td> <td>20-50 ug</td> <td><u>92263</u></td> <td></td>			20-50 ug	<u>92263</u>	
20-50 ug   92426			50-100 ug	<u>92246</u>	
Solution   Solution	<u>CF®700</u>	695/720 nm	5-20 ug	<u>92425</u>	CF®700 Features
CF®710       712/736 nm       5-20 ug       92579       CF®710 Features         20-50 ug       92580       92580       92581         CF®725       729/750 nm       5-20 ug       92582       CF®725 Features         20-50 ug       92583       CF®725 Features         20-50 ug       92584       CF®740 Features         CF®740       742/767 nm       5-20 ug       92576       CF®740 Features         20-50 ug       92578       CF®740 Features         CF®750       755/779 nm       5-20 ug       92284       CF®750 Features         20-50 ug       92284       CF®750 Features         20-50 ug       92285       CF®770 Features         CF®770       770/797 nm       5-20 ug       92285       CF®770 Features         CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         CF®800       797/816 nm       5-20 ug       92288       CF®800 Features         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         CF®820       822/835 nm       5-20 ug       92430       CF®820 Features			20-50 ug	<u>92426</u>	
20-50 ug   92580			50-100 ug	<u>92427</u>	
50-100 ug       92581         CF®725       729/750 nm       5-20 ug       92582       CF®725 Features         20-50 ug       92583       CF®725 Features         20-50 ug       92584       CF®740 Features         CF®740       742/767 nm       5-20 ug       92576       CF®740 Features         20-50 ug       92578       CF®750 Features       20-50 ug       92284       CF®750 Features         CF®750       755/779 nm       5-20 ug       92284       CF®750 Features         20-50 ug       92264       CF®750 Features         20-50 ug       92285       CF®770 Features         20-50 ug       92265       CF®770 Features         20-50 ug       92288       CF®790 Features         20-50 ug       92288       CF®790 Features         CF®800       797/816 nm       5-20 ug       9248         CF®800       797/816 nm       5-20 ug       92428         CF®800       797/816 nm       5-20 ug       92429         50-100 ug       92430         CF®820       822/835 nm       5-20 ug       92431         CF®820 Features       20-50 ug       92431	CF®710	712/736 nm	5-20 ug	<u>92579</u>	CF®710 Features
CF®725       729/750 nm       5-20 ug       92582       CF®725 Features         20-50 ug       92583       CF®740       742/767 nm       5-20 ug       92576       CF®740 Features         CF®740       742/767 nm       5-20 ug       92576       CF®740 Features         20-50 ug       92578       CF®750       755/779 nm       5-20 ug       92284       CF®750 Features         CF®750       755/779 nm       5-20 ug       92284       CF®750 Features         20-50 ug       92264       CF®770 Features         CF®770       770/797 nm       5-20 ug       92285       CF®770 Features         CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         CF®800       797/816 nm       5-20 ug       92488       CF®800 Features         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         CF®820       822/835 nm       5-20 ug       92430       CF®820 Features         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features			20-50 ug	<u>92580</u>	
20-50 ug   92583			50-100 ug	<u>92581</u>	
CF®740       742/767 nm       5-20 ug       92576       CF®740 Features         CF®740       742/767 nm       5-20 ug       92577       Features         20-50 ug       92578       CF®750 Features         CF®750       755/779 nm       5-20 ug       92284       CF®750 Features         20-50 ug       92264       Features       Features         20-50 ug       92285       CF®770 Features         20-50 ug       92265       Features         20-50 ug       92288       CF®790 Features         CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         CF®800       797/816 nm       5-20 ug       9248       CF®800 Features         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features         CF®820       92432       CF®820 Features	CF®725	729/750 nm	5-20 ug	92582	CF®725 Features
CF®740       742/767 nm       5-20 ug       92576       CF®740 Features         20-50 ug       92577       50-100 ug       92578         CF®750       755/779 nm       5-20 ug       92284       CF®750 Features         20-50 ug       92264       CF®770 Features         5-20 ug       92285       CF®770 Features         20-50 ug       92265       CF®770 Features         20-50 ug       92288       CF®790 Features         20-50 ug       92288       CF®790 Features         20-50 ug       92248       CF®790 Features         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         CF®820       822/835 nm       5-20 ug       92430       CF®820 Features         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features			20-50 ug	<u>92583</u>	
20-50 ug   92578			50-100 ug	92584	
So-100 ug   92578	CF®740	742/767 nm	5-20 ug	<u>92576</u>	
CF®750       755/779 nm       5-20 ug       92284       CF®750 Features         20-50 ug       92264       50-100 ug       92241         CF®770       770/797 nm       5-20 ug       92285       CF®770 Features         20-50 ug       92265       50-100 ug       92242         CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         20-50 ug       92248       CF®790 Features         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features			•		
20-50 ug       92264         50-100 ug       92241         CF®770       770/797 nm       5-20 ug       92285       CF®770 Features         20-50 ug       92265       50-100 ug       92242         CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         20-50 ug       92248       CF®800 Features         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features			•	<u>92578</u>	
50-100 ug       92241         CF®770       770/797 nm       5-20 ug       92285       CF®770 Features         20-50 ug       92265       50-100 ug       92242         CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         20-50 ug       92268       50-100 ug       92248         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features	<u>CF®750</u>	755/779 nm			
CF®770       770/797 nm       5-20 ug       92285       CF®770 Features         20-50 ug       92265       50-100 ug       92242         CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         20-50 ug       92268       50-100 ug       92248         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         20-50 ug       92429       50-100 ug       92430         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features         20-50 ug       92432			•		
CF®820     822/835 nm       20-50 ug     92265       50-100 ug     92288     CF®790 Features       20-50 ug     92268       20-50 ug     92248       5-20 ug     92428       20-50 ug     92428       20-50 ug     92429       50-100 ug     92430       CF®820     822/835 nm     5-20 ug     92431     CF®820 Features       20-50 ug     92432			•		
50-100 ug     92242       CF®790     784/806 nm     5-20 ug     92288     CF®790 Features       20-50 ug     92268       50-100 ug     92248       CF®800     797/816 nm     5-20 ug     92428     CF®800 Features       20-50 ug     92429       50-100 ug     92430       CF®820     822/835 nm     5-20 ug     92431     CF®820 Features       20-50 ug     92432	<u>CF®770</u>	770/797 nm	_		CF®770 Features
CF®790       784/806 nm       5-20 ug       92288       CF®790 Features         20-50 ug       92268         50-100 ug       92248         CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         20-50 ug       92429         50-100 ug       92430         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features         20-50 ug       92432			•		
20-50 ug 92268 50-100 ug 92248  CF®800 797/816 nm 5-20 ug 92428 CF®800 Features 20-50 ug 92429 50-100 ug 92430  CF®820 822/835 nm 5-20 ug 92431 CF®820 Features 20-50 ug 92432			· ·		
CF®800 797/816 nm 50-100 ug 92248  CF®800 797/816 nm 5-20 ug 92428  20-50 ug 92429  50-100 ug 92430  CF®820 822/835 nm 5-20 ug 92431  20-50 ug 92432  CF®820 Features  20-50 ug 92432	<u>CF®790</u>	784/806 nm	•		CF®790 Features
CF®800       797/816 nm       5-20 ug       92428       CF®800 Features         20-50 ug       92429         50-100 ug       92430         CF®820       822/835 nm       5-20 ug       92431       CF®820 Features         20-50 ug       92432			•		
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CF®820     822/835 nm     5-20 ug     92431     CF®820 Features       20-50 ug     92432			· ·		
20-50 ug 92432			· ·		
	<u>CF®820</u>	822/835 nm			CF®820 Features
50-100 ug <u>92433</u>			· ·		
			50-100 ug	<u>92433</u>	

<sup>\*</sup> Download the <u>Product Protocol</u> for a labeling check list to help you select the right kit size and labeling protocol for your antibody. Also see our <u>Kit Compatibility and Protocol Selection Flowchart</u>.

## **Antibody & Protein Labeling Kits**

Product Name	Label Options	Labeling Scale	Labeling Time	Features
Mix-n-Stain™ CF® Dye Antibody Labeling Kits	CF® Dyes	≤5-20 ug IgG 20-50 ug IgG 50-100 ug IgG	~ 15 min.	Rapid, simple labeling
Mix-n-Stain™ FITC Antibody Labeling Kits	FITC			No purification     Tolerates BSA & other
Mix-n-Stain <sup>TM</sup> Cyanine  Dye  Astinady Labeling Kita	Cyanine 555 Cyanine 647			Dyes for
Antibody Labeling Kits  Mix-n-Stain™ Biotin  Antibody Labeling Kits	Biotin			super-resolution, spectral flow, & NIR detection
Mix-n-Stain™ Digoxigenin Antibody Labeling Kits	Digoxygenin (DIG)			
Mix-n-Stain™ DNP Antibody Labeling Kits	DNP			
Mix-n-Stain™ Maxi Antibody Labeling Kits	CF® Dyes Cyanine Dyes	1 mg lgG	~ 30 min.	
Mix-n-Stain™ CF® Dye IgM Antibody Labeling Kits	CF® Dyes FITC	25 ug IgM 100 ug IgM	15-30 min.	<ul><li>Rapid, simple labeling</li><li>No purification</li></ul>

Product Name	Label Options	Labeling Scale	Labeling Time	Features
Mix-n-Stain™ STORM CF® Dye Antibody Labeling Kits	CF® Dyes	50 ug IgG	~ 30 min.	Optimized to provide low     1-2.5 DOL
				<ul> <li>No purification</li> </ul>
Mix-n-Stain™ Nanobody Labeling Kits	CF® Dyes	5-20 ug Nanobody® 20-50 ug Nanobody®	~ 30 min.	Optimized for Nanobodies®
				<ul> <li>Tolerates BSA &amp; other additives</li> </ul>
Mix-n-Stain™ Nanobody Thiol Labeling Kits	CF® Dyes		~ 2 hours	Optimized for Nanobodies® with single exposed cysteine residue
Mix-n-Stain™ Small Ligand Labeling Kits	CF® Dyes	0.1 umol small ligand	~ 30 min.	Label SNAP®, CLIP™, HaloTag® & other small ligands
				Dye options for surface or intracellular targets
VivoBrite™ Rapid Antibody Labeling Kits for Small Animal In Vivo Imaging	Near-IR CF® Dyes	3 x 1 mg lgG	~ 2 hours	Dyes, buffers, & spin vials for labeling + purification
9				Sterile syringes, filters and storage vials for in vivo use
CF® Dye & Biotin SE Protein Labeling Kits	CF® Dyes Biotin	3 x 1 mg protein	~ 2 hours	Dyes, buffers, & spin vials for labeling + purification

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## References

Download a list of <u>CF® Dye and Mix-n-Stain™ references</u>.

This datasheet was generated on August 17, 2025 at 08:00:29 PM. Visit product page to check for updated information before use. Product link: <a href="https://biotium.com/product/mix-n-stain-cf-dye-antibody-labeling-kit/">https://biotium.com/product/mix-n-stain-cf-dye-antibody-labeling-kit/</a>