

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

Label your IgM antibody with one of our superior CF® Dyes in 15-30 minutes without a purification step.



### Product attributes

### Product Description

Mix-n-Stain™ CF® Dye IgM Antibody Labeling Kits allow you to label 25 ug or 100 ug of your IgM antibody in 15-30 minutes, with minimal hands-on time and no purification.

#### Finally! Simple & Efficient Labeling of IgM Antibodies

IgM antibodies are difficult to label with fluorescent dyes because the conditions typically used for labeling IgG generally do not result in bright conjugates with good antibody reactivity for IgM. Biotium has resolved this issue by optimizing the reaction conditions for labeling IgM antibodies with Mix-n-Stain™ CF® Dye IgM Antibody Labeling Kits.

Simply mix your purified IgM antibody with the reaction buffer and pre-measured dye provided, followed by a brief incubation. Any free dye or label in solution is no longer reactive at the end of the labeling, so the conjugate is ready for staining without further purification. The resulting conjugate is produced with optimal degree of labeling (DOL) for cell staining. Mix-n-Stain™ labeling is covalent, therefore labeled antibodies can be used for multiplex staining without the transfer of dye between proteins.

#### Superior CF® Dyes

These kits feature a choice of 8 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™ CF® Dye IgM Antibody Labeling Kits are very simple to use. But before you begin, you must check that your antibody meets the compatibility requirements for labeling, and choose the right labeling protocol. Download the [Product Protocol](#) to help you determine if your IgM antibody is compatible with the labeling protocol, or if it requires further purification.

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

Check out our main line of [Mix-n-Stain™ CF® Dye Antibody Labeling Kits](#) and [Mix-n-Stain™ Maxi Antibody Labeling Kits](#) designed for rapid and efficient labeling of IgG antibodies. We also offer [Mix-n-Stain™ Nanobody Labeling Kits](#) for labeling single-domain Nanobodies®. 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 IgM Antibody Labeling Kits

Conjugation	Ex/Em	Size	Catalog No.	Dye Features
<a href="#">CF@405L</a> 100 ug	413/547 nm <a href="#">92559</a>	25 ug	<a href="#">92558</a>	<a href="#">CF@405L Features</a>
<a href="#">CF@405M</a> 100 ug	416/452 nm <a href="#">92561</a>	25 ug	<a href="#">92560</a>	<a href="#">CF@405M Features</a>
<a href="#">CF@488A</a> 100 ug	490/516 nm <a href="#">92563</a>	25 ug	<a href="#">92562</a>	<a href="#">CF@488A Features</a>
<a href="#">CF@555</a> 100 ug	554/568 nm <a href="#">92565</a>	25 ug	<a href="#">92564</a>	<a href="#">CF@555 Features</a>
<a href="#">CF@568</a> 100 ug	562/583 nm <a href="#">92567</a>	25 ug	<a href="#">92566</a>	<a href="#">CF@568 Features</a>
<a href="#">CF@594</a> 100 ug	593/615 nm <a href="#">92569</a>	25 ug	<a href="#">92568</a>	<a href="#">CF@594 Features</a>
<a href="#">CF@640R</a> 100 ug	642/663 nm <a href="#">92571</a>	25 ug	<a href="#">92570</a>	<a href="#">CF@640R Features</a>
<a href="#">CF@647</a> 100 ug	652/668 nm <a href="#">92573</a>	25 ug	<a href="#">92572</a>	<a href="#">CF@647 Features</a>
<a href="#">FITC</a> 100 ug	498/517 nm <a href="#">92575</a>	25 ug	<a href="#">92574</a>	

Note: Before selecting a kit, please download the Product Protocol to see Kit Compatibility and Protocol Selection guidelines.

## Antibody & Protein Labeling Kits

Product Name	Label Options	Labeling Scale	Labeling Time	Features
<a href="#">Mix-n-Stain™ CF@ Dye Antibody Labeling Kits</a>	CF@ Dyes	≤5-20 ug IgG 20-50 ug IgG 50-100 ug IgG	~ 15 min.	<ul style="list-style-type: none"> <li>• Rapid, simple labeling</li> <li>• No purification</li> <li>• Tolerates BSA &amp; other additives</li> <li>• Dyes for super-resolution, spectral flow, &amp; NIR detection</li> </ul>
<a href="#">Mix-n-Stain™ FITC Antibody Labeling Kits</a>	FITC			
<a href="#">Mix-n-Stain™ Cyanine Dye Antibody Labeling Kits</a>	Cyanine 555 Cyanine 647			
<a href="#">Mix-n-Stain™ Biotin Antibody Labeling Kits</a>	Biotin			
<a href="#">Mix-n-Stain™ Digoxigenin Antibody Labeling Kits</a>	Digoxigenin (DIG)			
<a href="#">Mix-n-Stain™ DNP Antibody Labeling Kits</a>	DNP			
<a href="#">Mix-n-Stain™ Maxi Antibody Labeling Kits</a>	CF@ Dyes Cyanine Dyes	1 mg IgG	~ 30 min.	
<a href="#">Mix-n-Stain™ CF@ Dye IgM Antibody Labeling Kits</a>	CF@ Dyes FITC	25 ug IgM 100 ug IgM	15-30 min.	<ul style="list-style-type: none"> <li>• Rapid, simple labeling</li> <li>• No purification</li> </ul>
<a href="#">Mix-n-Stain™ STORM CF@ Dye Antibody Labeling Kits</a>	CF@ Dyes	50 ug IgG	~ 30 min.	<ul style="list-style-type: none"> <li>• Optimized to provide low 1-2.5 DOL</li> <li>• No purification</li> <li>• Optimized for Nanobodies®</li> </ul>
<a href="#">Mix-n-Stain™ Nanobody Labeling Kits</a>	CF@ Dyes	5-20 ug Nanobody® 20-50 ug Nanobody®	~ 30 min.	<ul style="list-style-type: none"> <li>• Tolerates BSA &amp; other additives</li> <li>• Label SNAP®, CLIP™, HaloTag® &amp; other small ligands</li> <li>• Dye options for surface or intracellular targets</li> </ul>
<a href="#">Mix-n-Stain™ Small Ligand Labeling Kits</a>	CF@ Dyes	0.1 umol small ligand	~ 30 min.	
<a href="#">VivoBrite™ Rapid Antibody Labeling Kits for Small Animal In Vivo Imaging</a>	Near-IR CF@ Dyes	3 x 1 mg IgG	~ 2 hours	<ul style="list-style-type: none"> <li>• Dyes, buffers, &amp; spin vials for labeling + purification</li> <li>• Sterile syringes, filters and storage vials for in vivo use</li> </ul>
<a href="#">CF@ Dye &amp; Biotin SE Protein Labeling Kits</a>	CF@ Dyes Biotin	3 x 1 mg protein	~ 2 hours	<ul style="list-style-type: none"> <li>• Dyes, buffers, &amp; spin vials for labeling + purification</li> </ul>

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## References

Download a list of curated [CF@ Dye references](#).

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