

Mix-n-Stain™ CF® Dye Small Ligand Labeling Kits



Product attributes

Easily label SNAP-tag®, CLIP-tag™, HaloTag®, or other ligands with fluorescent dyes, no purification needed. Cell membrane-permeant and impermeant dye options for intracellular or surface targets.

Product Description

Mix-n-Stain™ Small Ligand Labeling Kits are designed for rapid labeling of low molecular weight (MW ~150 – 5000), high affinity biological ligands or substrates.

- For SNAP-tag®, CLIP-tag™ and HaloTag®, or other ligands with an aliphatic amine
- Label 100 nmol ligand
- Reaction takes ~30 minutes with minimal hands-on time and no purification
- Choose from 15 bright & photostable CF® Dyes
- Cell membrane-permeant or impermeant options for intracellular or surface targets

For more information, please download the [Mix-n-Stain™ Small Ligand Labeling Kit Flyer](#) and the [Product Information Sheet](#). We also offer [TMP-PEG3-Amine](#) for making fluorescent TMP ligands. Also see our [Mix-n-Stain™ Antibody Labeling Kits](#) and other [Reactive Dyes and Biotin Reagents](#).

Mix-n-Stain™ Small Ligand Labeling Kits

Dye	Catalog no.	Spectrally similar dyes	Ex/Em (nm)	Staining
CF@405M	92362	Pacific Blue™, BD Horizon™ V450	408/452	Surface
CF@408	92356	Pacific Blue™, BD Horizon™ V450	408/450	Intracellular
CF@488A	92350	FITC, Alexa Fluor® 488	490/515	Surface
CF@500	92357	FITC, Alexa Fluor® 488	500/510	Intracellular
CF@540	92358	TAMRA, TRITC, Alexa Fluor® 546, Cy@3	540/570	Intracellular
CF@555	92364	Alexa Fluor® 555, Cy@3, TRITC	555/585	Intracellular
CF@568	92351	Rhodamine Red, Alexa Fluor® 568	562/583	Surface
CF@594	92352	Texas Red®, Alexa Fluor® 594	593/614	Surface
CF@633	92353	Cy@5, Alexa Fluor® 633	630/650	Surface
CF@640R	92354	Cy@5, Alexa Fluor® 647	642/662	Surface
CF@647	92359	Cy@5, Alexa Fluor® 647	650/665	Surface
CF@650	92363	Cy@5, Alexa Fluor® 647	650/670	Intracellular
CF@660C	92360	Alexa Fluor® 660	667/685	Surface
CF@680	92361	Cy@5.5, Alexa Fluor® 660, IRDye®680LT	681/698	Surface
CF@680R	92355	Cy@5.5, Alexa Fluor® 660, IRDye®680LT	680/701	Surface

Pacific Blue, Texas Red, and Alexa Fluor are trademarks or registered trademarks of Thermo Fisher Scientific; BD Horizon is a trademark of BD Biosciences; Cy Dye is a registered trademark of Cytiva; IRDye is a registered trademark of LI-COR Biosciences.

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.	<ul style="list-style-type: none"> • Rapid, simple labeling • No purification • Tolerates BSA & other additives • Dyes for super-resolution, spectral flow, & NIR detection
Mix-n-Stain™ FITC Antibody Labeling Kits	FITC			
Mix-n-Stain™ Cyanine Dye Antibody Labeling Kits	Cyanine 555 Cyanine 647			
Mix-n-Stain™ Biotin Antibody Labeling Kits	Biotin			
Mix-n-Stain™ Digoxigenin Antibody Labeling Kits	Digoxigenin (DIG)			
Mix-n-Stain™ DNP Antibody Labeling Kits	DNP			
Mix-n-Stain™ Maxi Antibody Labeling Kits	CF® Dyes Cyanine Dyes	1 mg IgG	~ 30 min.	
Mix-n-Stain™ CF® Dye IgM Antibody Labeling Kits	CF® Dyes FITC	25 ug IgM 100 ug IgM	15-30 min.	<ul style="list-style-type: none"> • Rapid, simple labeling • No purification
Mix-n-Stain™ STORM CF® Dye Antibody Labeling Kits	CF® Dyes	50 ug IgG	~ 30 min.	<ul style="list-style-type: none"> • Optimized to provide low 1-2.5 DOL • No purification
Mix-n-Stain™ Nanobody Labeling Kits	CF® Dyes	5-20 ug Nanobody® 20-50 ug Nanobody®	~ 30 min.	<ul style="list-style-type: none"> • Optimized for Nanobodies® • Tolerates BSA & other additives
Mix-n-Stain™ Small Ligand Labeling Kits	CF® Dyes	0.1 umol small ligand	~ 30 min.	<ul style="list-style-type: none"> • 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 IgG	~ 2 hours	<ul style="list-style-type: none"> • Dyes, buffers, & spin vials for labeling + purification • 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	<ul style="list-style-type: none"> • Dyes, buffers, & spin vials for labeling + purification

SNAP-tag and CLIP-tag are trademarks or registered trademarks of New England BioLabs; HaloTag is a registered trademark of Promega Corporation.

References

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

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