Datasheet for ABIN6199135

# Mix-n-Stain™ CF®568 Antibody Labeling Kit

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## Overview

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| Quantity: | 1 kit |
| Conjugate: | CF®568 |
| Application: | Labeling (Lbl) |

## Product Details

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| Purpose: | Mix-n-Stain™ antibody labeling kits are a revolutionary antibody labeling technology that allows you to label your antibody with one of our superior CF® dyes in 30 minutes without a purification step. The labeling procedure tolerates many common buffer components and antibody stabilizers. |
| Brand: | Mix-n-Stain™ |
| Specificity: | Mix-n-Stain antibody labeling kits are optimized for labeling IgG antibodies. We do not recommend using them to label other proteins, because the degree of labeling may not be optimized. Mix-n-Stain labeling conditions may cause IgM antibodies to denature. |
| Characteristics: | Mix-n-Stain™ antibody labeling kits dramatically simplify the process of preparing fluorescently labeled antibodies, particularly primary antibodies. Simply mix your antibody with the dye or protein of your choice. After 30 minutes and without a separation step, you will have a covalently labeled antibody conjugate that is as good as a commercial prellabeled fluorescent antibody. There is no need to calculate how much dye you should use, just follow the protocol provided and you will always produce optimal labeling. Moreover, unlike other antibody labeling kits, the Mix-nStain™ labeling reaction can tolerate the presence of common stabilizers, such as sodium azide, Tris, and low levels of glycerol, BSA, gelatin and even ascites fluid. |
| Components: | Dye, Mix-n-Stain reaction buffer, 10X, Mix-n-Stain antibody storage buffer, Ultrafiltration vial (MWCO=10K) |

## Application Details

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| Application Notes: | Compatibility:<br>- No ultrafiltration step required for IgG in <10 % glycerol, <20 mM Tris, and up to 4:1 ratio of BSA:IgG or gelatin:IgG.<br>- Quick ultrafiltration step for IgG containing >10 % glycerol, 20 mM Tris, or glycine.<br>- Modified protocol for sample with > 4:1 ratio of BSA:IgG or gelatin:IgG, or IgG in ascites. |
| Comment: | Labeling size (µg antibody): 20-50ug |
| Protocol: | Mix-n-Stain™ antibody labeling kits contain everything you need to rapidly label an antibody with next-generation CF™ dyes, biotin, digoxigenin or DNP. The labeling procedure comprises simple mixing of your antibody with the reaction buffer and optimally formulated dye provided, followed by a brief incubation. The Mix-n-Stain dye is no longer reactive at the end of the labeling, so the conjugate is ready for staining without further purification. After labeling, the dye is covalently linked to the antibody with a degree of labeling of approximately 4-6 dye molecules per antibody molecule. Mix-nStain labeling is covalent, so Mix-n-Stain-labeled antibodies can be used for multicolor fluorescence staining without transfer of dyes between antibodies. |
| Restrictions: | For Research Use only |

## Handling

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| Storage: | -20 °C |
| Storage Comment: | Storage: -20 °C |
| Expiry Date: | 12 months |