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# Product Information

## Isotype-specific goat anti-mouse antibodies, CF™ dye conjugates

Highly cross-adsorbed for multiple labeling (min X Bv, Hu, Rb)

| | CF™ dye/catalog number | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Antibody** | **CF350** | **CF405S** | **CF488A** | **CF543** | **CF555** | **CF568** | **CF594** | **CF633** | **CF640R** | **CF647** | **CF680** | **CF770** |
| Goat Anti-Mouse IgG1 (γ1) | 20245 | 20380 | 20246 | 20325 | 20247 | 20248 | 20249 | 20250 | 20251 | 20252 | 20253 | 20254 |
| Goat Anti-Mouse IgG2a (γ2a) | 20255 | 20381 | 20256 | 20326 | 20257 | 20258 | 20259 | 20260 | 20261 | 20262 | 20263 | 20264 |
| Goat Anti-Mouse IgG2b (γ2b) | 20265 | 20382 | 20266 | 20327 | 20267 | 20268 | 20269 | 20270 | 20271 | 20272 | 20273 | 20274 |

### Unit Size:

50 uL or 0.25 mL

| | |
|---|---|
| XXXXX-1 | 50uL (liquid format) |
| XXXXX | 0.25mL (liquid format) |
| or | |
| XXXXX-50UL | 50uL (liquid format) |
| XXXXX-250UL | 0.25mL (liquid format) |

### Concentration:

2 mg/mL in pH ~7.4 PBS containing 50% glycerol, 2 mg/ml bovine serum albumin (IgG-free and protease-free) and 0.05% sodium azide.

### Spectral Properties

($\lambda_{abs}/\lambda_{em}$ maxima in pH 7.4 PBS buffer)

| Conjugate | Abs (nm) | Em (nm) |
|---|---|---|
| CF350 | 347 | 448 |
| CF405S | 404 | 431 |
| CF488A | 490 | 515 |
| CF543 | 541 | 560 |
| CF555 | 555 | 565 |
| CF568 | 562 | 583 |
| CF594 | 593 | 614 |
| CF633 | 630 | 650 |
| CF640R | 642 | 662 |
| CF647 | 650 | 665 |
| CF680 | 663 | 682 |
| CF770 | 770 | 797 |

### Storage and Handling:

Store at -20°C, protected from light. Product is stable for at least 6 months from date of receipt when stored as recommended. Antibodies contain 50% glycerol and will not freeze at -20°C.

Note: storage of the antibody for more than a day at final working dilution is not recommended.

### Product Description

Staining of mouse tissues with anti-mouse secondary antibodies results in background staining due to reactivity with endogenous mouse immunoglobulins. Isotype-specific anti-mouse secondary antibodies are useful for staining mouse tissues because IgG is present at relatively low levels in mouse tissues . Biotium offers goat anti-mouse isotype specific antibodies conjugated to a wide selection of our outstanding series of CF dyes developed by Biotium. CF dyes are superior to leading commercial dyes for antibody labeling, with combined advantages in brightness, photostability, specificity and novel features ideal for in vivo imaging (Please visit our website for details). A concentration of 1 - 10 ug/mL is typical for most immunofluorescence staining applications, however, optimal conditions should be determined empirically.

### Related Products

| Cat.# | Product Name | Unit Size |
|---|---|---|
| 40061-T | RedDot™2 Far Red Nuclear Counterstain, 200X in DMSO, Trial Size (15-20 tests) | 25 uL |
| 23001 | EverBrite™ Mounting Medium | 10 mL |
| 23002 | EverBrite™ Mounting Medium with DAPI | 10 mL |
| 23003 | EverBrite™ Hardset Mounting Medium | 10 mL |
| 23004 | EverBrite™ Hardset Mounting Medium with DAPI | 10 mL |
| 23005 | CoverGrip™ Coverslip Sealant | 15 mL |
| 22005 | Mini Super$^{HT}$ Pap Pen 2.5 mm tip, ~400 uses | 1 pen |
| 22006 | Super$^{HT}$ Pap Pen 4 mm tip, ~800 uses | 1 pen |
| 22015 | Fixation Buffer | 100 mL |
| 22016 | Permeabilization Buffer | 100 mL |
| 22017 | Permeabilization and Blocking Buffer | 100 mL |
| 22010 | 10% Fish Gelatin Blocking Buffer | 100 mL |
| 22011 | Fish Gelatin Powder | 2 x 50 g |
| 22014 | 30% Bovine Serum Albumin Solution | 100 mL |
| 22002 | Tween®-20 | 50 mL |

Please visit **www.biotium.com** to view our full selection of products featuring bright and photostable fluorescent CF™ dyes, including secondary antibodies and Mix-n-Stain™ antibody labeling kits, and R-PE dye conjugates. Biotium also offers a variety of apoptosis and cell viability assays for flow cytometry analysis, including mitochondrial membrane potential dyes, fluorescent Annexin V conjugates, and NucView™488 Caspase-3 Substrate for live cells.

CF™ dye technology is covered by pending US and international patents. TWEEN is a registered trademark of Uniqema Americas LLC.

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