

Product Information

Goat Anti-Rabbit IgG (H+L), Whole Antibody

| CF® Dye | Ex/Em | Catalog No. | Size |
|---------|------------|-------------|--------------------|
| CF@350 | 347/448 nm | 20141-1 | 50 uL |
| | | 20141 | 500 uL |
| | | 20141-1mg | 1 mg (lyophilized) |
| CF@405S | 404/431 nm | 20082-1 | 50 uL |
| | | 20082 | 500 uL |
| | | 20082-1mg | 1 mg (lyophilized) |
| CF@405M | 408/452 nm | 20181-1 | 50 uL |
| | | 20181 | 500 uL |
| | | 20181-1mg | 1 mg (lyophilized) |
| CF@405L | 395/545 nm | 20409-50uL | 50 uL |
| | | 20409-500uL | 500 uL |
| | | 20409-1mg | 1 mg (lyophilized) |
| CF@488A | 490/515 nm | 20012-1 | 50 uL |
| | | 20012 | 500 uL |
| | | 20012-1mg | 1 mg (lyophilized) |
| CF@514 | 516/548 nm | 20387-50uL | 50 uL |
| | | 20387-500uL | 500 uL |
| | | 20387-1mg | 1 mg (lyophilized) |
| CF@532 | 527/558 nm | 20366-50uL | 50 uL |
| | | 20366-500uL | 500 uL |
| | | 20366-1mg | 1 mg (lyophilized) |
| CF@543 | 541/560 nm | 20309-1 | 50 uL |
| | | 20309 | 500 uL |
| | | 20309-1mg | 1 mg (lyophilized) |
| CF@555 | 555/565 nm | 20033-1 | 50 uL |
| | | 20033 | 500 uL |
| | | 20033-1mg | 1 mg (lyophilized) |
| CF@568 | 562/583 nm | 20102-1 | 50 uL |
| | | 20102 | 500 uL |
| | | 20102-1mg | 1 mg (lyophilized) |
| CF@594 | 593/614 nm | 20112-1 | 50 uL |
| | | 20112 | 500 uL |
| | | 20112-1mg | 1 mg (lyophilized) |
| CF@633 | 630/650 nm | 20122-1 | 50 uL |
| | | 20122 | 500 uL |
| | | 20122-1mg | 1 mg (lyophilized) |
| CF@640R | 642/662 nm | 20202-1 | 50 uL |
| | | 20202 | 500 uL |
| | | 20202-1mg | 1 mg (lyophilized) |
| CF@647 | 650/665 nm | 20043-1 | 50 uL |
| | | 20043 | 500 uL |
| | | 20043-1mg | 1 mg (lyophilized) |
| CF@660C | 667/685 nm | 20053-1 | 50 uL |
| | | 20053 | 500 uL |
| | | 20053-1mg | 1 mg (lyophilized) |

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| CF@660R | 663/682 nm | 20055-1 | 50 uL |
| | | 20055 | 500 uL |
| | | 20055-1mg | 1 mg (lyophilized) |
| CF@750 | 755/777 nm | 20073-1 | 50 uL |
| | | 20073 | 500 uL |
| | | 20073-1mg | 1 mg (lyophilized) |
| CF@790 | 784/806 nm | 20379-50uL | 50 uL |
| Biotin | N/A | 20185-1 | 50 uL |
| | | 20185 | 500 uL |
| | | 20185-1mg | 1 mg (lyophilized) |
| APC | 633,640/660 nm | 20412-100uL | 100 uL |
| | | 20412-500uL | 500 uL |
| AP | N/A | 20465-100uL | 100 uL |
| | | 20465-1mL | 1 mL |
| HRP | N/A | 20402-1mL | 1 mL |
| | | 20402-100uL | 100 uL |
| | | 20402-1mg | 1 mg (lyophilized) |
| R-PE | 496, 546, 565/578 nm | 20353-1mL | 1 mL |
| | | 20353-200uL | 200 uL |

Concentration

Liquid format:

CFdye and Biotin: 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.

R-PE: 0.5mg/mL in pH ~7.4 PBS containing 2 mg/ml bovine serum albumin (IgG-free and protease-free) and 0.05% sodium azide.

APC: 0.5 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.

AP: 1 mg/mL in pH ~7.4 PBS containing 40% glycerol, 5 mg/ml bovine serum albumin (IgG-free and protease-free) and 0.05% sodium azide.

HRP: 1 mg/mL in pH ~7.4 PBS containing 50% glycerol and 15 mg/ml bovine serum albumin (IgG-free and protease-free).

Lyophilized format (after reconstitution):

CFdye and Biotin: 2 mg/mL in pH ~7.4 PBS containing 15 mg/mL bovine serum albumin (IgG-free and protease-free) and 20 mg/mL trehalose.

HRP: 1 mg/mL in pH ~7.4 PBS containing and 10 mg/mL trehalose.

Storage and Handling

Store at -20°C (except for R-PE conjugates which is stored at 4°C), protected from light. Product is stable for at least 6 months from date of receipt when stored as recommended. Liquid format antibodies contain 50% glycerol and will not freeze at -20°C.

Reconstitution (lyophilized format only): add 0.5 mL dH₂O and mix gently to dissolve. Store at -20°C, protected from light. Aliquot to avoid freeze-thaw cycles. Alternatively, glycerol can be added to the antibody so that it will not freeze at -20°C: add 0.25 mL dH₂O to the lyophilized antibody and mix gently to dissolve, then add 0.25 mL glycerol and mix well. Optional: a preservative may be added, such as 0.05% (final concentration) sodium azide. Caution: Do not add sodium azide to HRP conjugates.

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

Product Description

Goat anti-rabbit IgG (H+L), whole antibody is an affinity purified goat antibody that recognizes rabbit IgG. This antibody is not highly-cross adsorbed against other species. Visit www.biotium.com to see our highly cross-adsorbed secondary antibodies for multiple labeling and isotype-specific secondary antibodies.

CF® dyes are superior to Alexa Fluor®, DyLight®, and Cy® dyes for antibody labeling by having combined advantages in brightness, photostability, specificity and novel features ideal for in vivo imaging. For more information about CF® dyes, download our CF® Dye Selection Guide at www.biotium.com.

Recommended Dilution Range

Fluorescence microscopy: 1-2 ug/mL

Flow cytometry: 1 ug/10⁶ cells

Near-infrared western detection: 50-100 ng/mL

These concentrations are provided as a starting point for optimization; appropriate dilutions should be determined empirically. Generally IgG conjugates are used in the range of 1-10 ug/mL.

For more detailed protocols for immunofluorescence staining for fluorescence microscopy, flow cytometry, or fluorescence-based western detection, please visit our website.

Related Products

| Cat. No. | Product Name |
|----------|--|
| 23001 | EverBrite™ Mounting Medium |
| 23002 | EverBrite™ Mounting Medium with DAPI |
| 23003 | EverBrite™ Hardset Mounting Medium |
| 23004 | EverBrite™ Hardset Mounting Medium with DAPI |
| 23005 | CoverGrip™ Coverslip Sealant |
| 23007 | TrueBlack™ Lipofuscin Autofluorescence Quencher |
| 40061 | RedDot™2 Far Red Nuclear Counterstain |
| 22005 | Mini Super ^{HT} Pap Pen 2.5 mm tip, ~400 uses |
| 22006 | Super ^{HT} Pap Pen 4 mm tip, ~800 uses |
| 22003 | Mini-Cell Scrapers |
| 23006 | Flow Cytometry Fixation/Permeabilization Kit |
| 22015 | Fixation Buffer |
| 22016 | Permeabilization Buffer |
| 22017 | Permeabilization and Blocking Buffer |
| 22010 | 10X Fish Gelatin Blocking Agent |
| 22011 | Fish Gelatin Powder |
| 22014 | 30% Bovine Serum Albumin Solution |
| 22002 | Tween®-20 |

Please visit www.biotium.com to view our full selection of products featuring bright and photostable fluorescent CF® dyes, including Mix-n-Stain™ antibody labeling kits, primary antibody conjugates, streptavidin, phalloidin, and other bioconjugates, as well as conjugates of biotin, HRP, AP, R-PE, APC and PerCP.

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