

Product Information

Goat Anti-Rabbit IgG (H+L), Whole Antibody, Highly Cross-Adsorbed (min x Hu, Ms, Rt)

CF® Dye	Ex/Em	Catalog No.	Size
CF®350	347/448 nm	20144-1	50 uL
		20144	500 uL
		20144-1mg	1 mg (lyophilized)
CF®405M	408/452 nm	20373-50uL	50 uL
		20373-500uL	500 uL
		20373-1mg	1 mg (lyophilized)
CF®430	426/498 nm	20460-50uL	50 uL
		20460-500uL	500 uL
		20460-1mg	1 mg (lyophilized)
CF®488A	490/515 nm	20019-1	50 uL
		20019	500 uL
		20019-1mg	1 mg (lyophilized)
CF®532	527/558 nm	20469-50uL	50 uL
		20469-500uL	500 uL
		20469-1mg	1 mg (lyophilized)
CF®543	541/560 nm	20300-1	50 uL
		20300	500 uL
		20300-1mg	1 mg (lyophilized)
CF®555	555/565 nm	20232-1	50 uL
		20232	500 uL
		20232-1mg	1 mg (lyophilized)
CF®568	562/583 nm	20103-1	50 uL
		20103	500 uL
		20103-1mg	1 mg (lyophilized)
CF®594	593/614 nm	20113-1	50 uL
		20113	500 uL
		20113-1mg	1 mg (lyophilized)
CF®633	630/650 nm	20123-1	50 uL
		20123	500 uL
		20123-1mg	1 mg (lyophilized)
CF®640R	642/662 nm	20176-1	50 uL
		20176	500 uL
		20176-1mg	1 mg (lyophilized)
CF®647	650/665 nm	20282-1	50 uL
		20282	500 uL
		20282-1mg	1 mg (lyophilized)
CF®660C	667/685 nm	20369-50uL	50 uL
		20369-500uL	500 uL
		20369-1mg	1 mg (lyophilized)

CF® Dye	Ex/Em	Catalog No.	Size
CF®680	681/698 nm	20067-1	50 uL
		20067	250 uL
CF®680R	680/701 nm	20193-1	50 uL
		20193	250 uL
CF®770	770/797 nm	20078-1	50 uL
		20078	250 uL
CF®790	784/806 nm	20343-50uL	50 uL
CF®800	797/816 nm	20832-50uL	50 uL
Biotin	N/A	20186-1	50 uL
		20186	500 uL
		20186-1mg	1 mg (lyophilized)
HRP	N/A	20403-100uL	100 uL
		20403-1mL	1 mL
		20403-1mg	1 mg (lyophilized)

Hu: human; Ms: mouse; Rt: rat

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.

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, 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.

CF® Dye and biotin conjugates: add 0.5 mL dH₂O
HRP conjugate: add 1 mL dH₂O

Add the indicated volume of water directly to the vial containing the lyophilized antibody and mix gently to dissolve. Store at -20°C and protect fluorescent conjugates from light. Aliquot to avoid repeated freeze/thaw cycles. Alternatively, an equal volume of glycerol can be mixed with the reconstituted antibody so that it will remain liquid at -20°C. Optional: a preservative such as 0.05% sodium azide (final concentration) can be added to CF® dye and biotin conjugates. 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, highly cross-adsorbed is an affinity purified goat antibody that recognizes rabbit IgG. This antibody is highly-cross adsorbed for multiple labeling, and has minimal cross-reactivity with human, mouse, or rat serum proteins.

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 µg/mL

Flow cytometry: 1 µg/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 µg/mL.

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

Accessory products for immunofluorescence

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
22020	10X Phosphate-Buffered Saline (PBS)
22023	Paraformaldehyde, 4% in PBS, Ready-To-Use Fixative

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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