Goat Anti-Rat IgG (H+L), Highly Cross-Adsorbed



Highly cross-adsorbed goat anti-rat IgG (H L) secondary antibody labeled with our superior CF® Dyes.

Product Description

This is a highly cross-adsorbed goat anti-rat IgG (H L) secondary antibody labeled with our bright and photostable CF® Dyes. To minimize cross-reactivity, the antibody has been adsorbed against bovine, horse, human, and rabbit serum.

- Highly cross-adsorbed for specific staining with minimal background
- Available in 14 bright and photostable CF® Dyes
- APC, HRP, and R-PE conjugates also available
- Suitable for western, immunofluorescence, and immunohistology in FFPE tissues

Note: Conjugates of blue fluorescent dyes like CF®350 and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Product attributes

Antibody type	Secondary
Clonality	Polyclonal
Host species	Goat
Antibody reactivity (target)	Rat IgG
Species reactivity	Rat
Cross adsorption	Bovine, Horse, Human, Rabbit
Concentration	2 mg/mL, 1 mg/mL (HRP, AP conjugates), 0.5 mg/mL (R-PE, APC conjugates)
Antibody/conjugate formulation	Liquid: PBS/50% glycerol/2 mg/mL BSA/0.05% azide, Lyophilized: PBS/15 mg/mL BSA/20 mg/mL trehalose after reconstitution, R-PE conjugates: PBS/2 mg/mL BSA/0.05% azide, HRP conjugates: PBS/50% glycerol/15 mg/mL BSA, HRP conjugates (lyophilized): PBS/10 mg/mL trehalose after reconstitution
Secondary/tag antibody applications	ELISA, Flow cytometry, IHC, IF (cells or tissue sections), Western blot
Product origin	Product may contain either bovine serum albumin (BSA) from bovine serum (Bos taurus), or recombinant BSA produced in Chinese hamster ovary cells. Inquire for the specific lot.

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Conjugation	Ex/Em	Size	Catalog No.	Dye Features
CF®350	347/448 nm	0.5 mL (1 mg)	20147	CF®350 Features
1 mg	20147-1mg			
50 uL (100 ug)	20147-1			
CF®405M	408/452 nm	0.5 mL (1 mg)	20374-500uL	CF®405M Features
1 mg	20374-1mg			
50 uL (100 ug)	20374-50uL			
CF®488A	490/515 nm	0.5 mL (1 mg)	20023	CF®488A Features
1 mg	20023-1mg			
50 uL (100 ug)	20023-1			
CF®543	541/560 nm	0.5 mL (1 mg)	20321	CF®543 Features
1 mg	20321-1mg			
50 uL (100 ug)	20321-1			
CF®555	555/565 nm	0.5 mL (1 mg)	20233	CF®555 Features
1 mg	20233-1mg			
50 uL (100 ug)	20233-1			
CF®568	562/583 nm	0.5 mL (1 mg)	20096	CF®568 Features
1 mg	20096-1mg			
50 uL (100 ug)	20096-1			
CF®583R	585/609 nm	50 uL (100 ug)	20906-50uL	CF®583R Features
0.5 mL (1 mg)	20906-500uL			
CF®594	593/614 nm	0.5 mL (1 mg)	20155	CF®594 Features
1 mg	20155-1mg			
50 uL (100 ug)	20155-1			
CF®633	630/650 nm	0.5 mL (1 mg)	20133	CF®633 Features
1 mg	20133-1mg			
50 uL (100 ug)	20133-1			
CF®640R	642/662 nm	0.5 mL (1 mg)	20088	CF®640R Features
1 mg	20088-1mg			
50 uL (100 ug)	20088-1			
CF®647	650/665 nm	0.5 mL (1 mg)	20283	CF®647 Features
1 mg	20283-1mg			
50 uL (100 ug)	20283-1			
CF®660C	667/685 nm	0.5 mL (1 mg)	20370-500uL	CF®660C Features
1 mg	20370-1mg			
50 uL (100 ug)	20370-50uL			
CF®680	681/698 nm	0.25 mL	20069	CF®680 Features
50 uL (100 ug)	20069-1			
CF®770	770/797 nm	0.25 mL	20383-250uL	CF®770 Features
50 uL (100 ug)	20383-50uL			
R-PE	496, 546, 565/578 nm	200 uL (100 ug)	20354-200uL	
1 mL (500 ug)	20354-1mL			

Conjugation	Ex/Em	Size	Catalog No.	Dye Features
APC	650/660 nm	100 uL (50 ug)	20413-100uL	
0.5 mL (250 ug)	20413-500uL			
HRP	N/A	100 uL (100 ug)	20406-100uL	
1 mL (1 mg)	20406-1mL			
1 mg	20406-1mg			

View our full selection of Secondary Antibodies, or search our catalog using our Antibody Finder. Alternatively, you can view our secondary antibody product listings with catalog numbers.

CF® Dyes offer exceptional brightness and photostability. For more information see our CF® Dye technology page.

Storage and Handling

Liquid format: 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.

Lyophilized format: Store at -20°C, protected from light. Product is stable for at least 6 months from date of receipt when stored as recommended. Reconstitute antibodies in water using the indicated volumes below:

CF® Dye and biotin conjugates: add 0.5 mL dH_2O

HRP or DNP conjugates: add 1 mL dH_2O

Add the indicated volume of water directly to the vial containing the lyophilized antibody and mix gently to dissolve. Store reconstituted antibody at -20°C and protect 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.

CF is a registered trademark of Biotium, Inc.

References

Download a list of curated CF® Dye references.