

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.

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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 (<i>Bos taurus</i>), or recombinant BSA produced in Chinese hamster ovary cells. Inquire for the specific lot. |

| 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 dH₂O

HRP or DNP conjugates: add 1 mL dH₂O

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](#).

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