# Donkey Anti-Rabbit IgG (H+L), Highly Cross-Adsorbed, CF® Dye Conjugates, Single Label for STORM



Highly cross-adsorbed donkey anti-rabbit IgG (H+L) secondary antibody with single CF® Dye label for STORM super-resolution microscopy.

## Product Description

This is a highly cross-adsorbed donkey anti-rabbit IgG (H L) secondary antibody that has a low degree of labeling (DOL) with one of our bright and photostable CF® Dyes.

- CF® Dye single label secondary antibody ideal for STORM imaging
- Highly cross-adsorbed for specific staining with minimal background
- Available in 10 bright and photostable CF® Dyes

Secondary antibodies with a low DOL, or number of dye molecules per antibody molecule, have been reported to be optimal for STORM (Bittel et al. (2015) Proc. SPIE 9331). This product is prepared by single labeling (DOL=1) of highly cross-adsorbed goat anti-mouse IgG (H L) with a selection of compatible CF® Dyes for **(d)-STORM super-resolution microscopy**. To minimize cross-reactivity, the antibody has been adsorbed against bovine, chicken, goat, guinea pig, horse, human, mouse, rat, sheep, and Syrian hamster.

Learn more about CF® Dyes for super-resolution microscopy.

### Product attributes

| | |
|---|---|
| **Clonality** | Polyclonal |
| **Host species** | Donkey |
| **Antibody reactivity (target)** | Rabbit IgG |
| **Species reactivity** | Rabbit |
| **Cross adsorption** | Bovine, Chicken, Goat, Guinea pig, Horse, Human, Mouse, Rat, Sheep, Syrian hamster |
| **Antibody/conjugate formulation** | Liquid: PBS/50% glycerol/2 mg/mL BSA/0.05% azide |
| **Antibody type** | Secondary |
| **Concentration** | 1 mg/mL |
| **Secondary/tag antibody applications** | IF (cells or tissue sections), STORM |
| **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. |

# Donkey Anti-Rabbit IgG (H+L), Highly Cross-Adsorbed, CF® Dye Conjugates, Single Label for STORM

| Conjugation | Ex/Em | Size | Catalog No. | Dye Features |
|---|---|---|---|---|
| CF®498 | 498/519 nm | 50 uL (50 ug) | 20995-50uL | |
| 0.5 mL (500 ug) | 20995-500uL | | | |
| CF®505 | 505/519 nm | 50 uL (50 ug) | 20879-50uL | |
| 0.5 mL (500 ug) | 20879-500uL | | | |
| CF®535ST | 535/568 nm | 50 uL (50 ug) | 20824-50uL | CF®535ST Features |
| 0.5 mL (500 ug) | 20824-500uL | | | |
| CF®568 | 562/583 nm | 50 uL (50 ug) | 20803-50uL | CF®568 Features |
| 0.5 mL (500 ug) | 20803-500uL | | | |
| CF®583R | 586/609 nm | 50 uL (50 ug) | 20795-50uL | CF®583R Features |
| 0.5 mL (500 ug) | 20795-500uL | | | |
| CF®597R | 597/619 nm | 50 uL (50 ug) | 20799-50uL | CF®597R Features |
| 0.5 mL (500 ug) | 20799-500uL | | | |
| CF®647 | 650/665 nm | 50 uL (50 ug) | 20811-50uL | CF®647 Features |
| 0.5 mL (500 ug) | 20811-500uL | | | |
| CF®660C | 667/685 nm | 50 uL (50 ug) | 20816-50uL | CF®660C Features |
| 0.5 mL (500 ug) | 20816-500uL | | | |
| CF®680 | 681/698 nm | 50 uL (50 ug) | 20820-50uL | CF®680 Features |
| 0.5 mL (500 ug) | 20820-500uL | | | |
| CF®750 | 755/777 nm | 50 uL (50 ug) | 20828-50uL | CF®750 Features |
| 0.5 mL (500 ug) | 20828-500uL | | | |

# CF® Dye Secondary Antibodies, Single Label for STORM

| Dye | Donkey Anti-Goat | Donkey Anti-Guinea Pig | Donkey Anti-Mouse | Donkey Anti-Rabbit | Goat Anti-Mouse | Goat Anti-Rabbit |
|---|---|---|---|---|---|---|
| Cross-adsorption | Ck, GP, Hs, Hu, Ms, Rb, Rt, SHm | Bv, Ck, Gt, Hs, Hu, Ms, Rb, Rt, Shp, SHm | Bv, Ck, Gt, GP, Hs, Hu, Rb, Rt, Shp, SHm | Bv, Ck, Gt, GP, Hs, Hu, Ms, Rt, Shp, SHm | Bv, Hs, Hu, Rb, Sw | Hu, Ms, Rt |
| CF®498 | 20992 | 20993 | 20994 | 20995 | 20996 | 20997 |
| CF®505 | 20880 | 20881 | 20878 | 20879 | 20876 | 20877 |
| CF®535ST | | | 20823 | 20824 | 20821 | 20822 |
| CF®568 | 20836 | 20838 | 20802 | 20803 | 20800 | 20801 |
| CF®583R | | | 20794 | 20795 | 20792 | 20793 |
| CF®597R | | | 20798 | 20799 | 20796 | 20797 |
| CF®647 | 20829 | 20837 | 20810 | 20811 | 20808 | 20809 |
| CF®660C | | | 20815 | 20816 | 20812 | 20813 |
| CF®680 | | | 20819 | 20820 | 20817 | 20818 |
| CF®750 | | | 20827 | 20828 | 20825 | 20826 |

Bv: bovine; Ch: chicken; Gt: goat; GP: guinea pig; Hs: horse; Hu: human; Ms: mouse; Rb: rabbit; Sh: sheep; SHm: Syrian hamster; Sw: swine; Rt: rat
View our full selection of bright and specific 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 CF® Dye references.

1. Proc. SPIE 9331, (2015), DOI: 10.1117/12.2083209

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