

Product Datasheet

Goat Anti-Mouse IgG (H+L) Cy3



Catalog No: AB0134

Reactivity: Mouse

Isotype: Goat IgG

Applications: IHC ICC/IF FC

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Information

UniProt ID: N/A

All Names: Cyanine Cy3; Cy3;

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: 0.01M Sodium phosphate, 0.25M NaCl, 50% glycerol, pH7.6

Purity: Affinity-chromatography

Immunogen: N/A

Molecular Wt.: N/A

Application

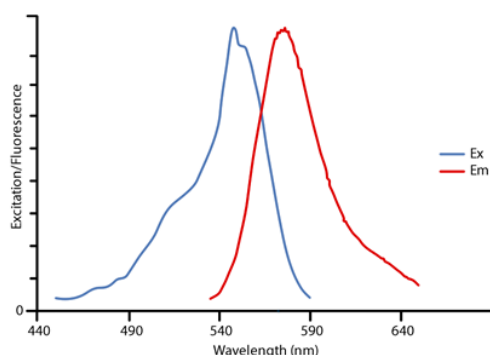
IHC 1:100-1:500

ICC/IF 1:100-1:500

FC 1:100-1:500

Background

Cy3 is brighter, more photostable, and gives less background than other orange-red fluorescing dye conjugates. Cy3 conjugates can be excited maximally at 550 nm, with peak emission at 570 nm. For fluorescence microscopy, Cy3 can be visualized with traditional tetramethyl rhodamine (TRITC) filter sets, since the excitation and emission spectra are nearly identical to those of TRITC. We recommend Cy3 as a brighter alternative to TRITC. Cy3 can be excited to about 50% of maximum with an argon laser (514 nm or 528 nm lines), or to about 75% of maximum with a helium/neon laser (543 nm line) or mercury lamp (546 nm line). Cy3 has been used with fluorescein for double labeling; however, the use of a narrow band-pass emission filter for fluorescein is recommended to minimize Cy3 fluorescence in the FITC filter set. Cy3 can also be paired with Alexa Fluor 647 for multiple labeling when using a confocal microscope. However, a better choice for multiple labeling is Rhodamine Red-X because its fluorescence is midway between a green fluorescing dye (like Alexa Fluor 488) and a far-red-fluorescing dye like Alexa Fluor 647.



Cyanine Cy3

Amax: 550 **Emax:** 570nm

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