Product Information Sheet

Product Name:	Goat anti-rabbit IgG, highly cross-adsorbed, Hilyte Fluor™ 750-labeled
Catalog Number:	AS-61056-05-H750
Size:	0.5 mg
Concentration:	1mg/mL
Degree of Substitution: (DOS)	Dye:protein molar ratio is specified on the vial.
Fluorescence:	Excitation/Emission wavelength = 754 nm/778 nm
Storage buffer:	10 mM phosphate, 150 mM NaCl, pH 7.2, with BSA and 2 mM sodium azide as preservatives.
Storage:	The dye-protein conjugate is stable for 2~3 months at 4ºC. For long-term storage, divide the solution into aliquots and store at -20°C or add an equal volume of glycerol (ACS grade or higher) and store the solution at -20°C without aliquoting. Avoid multiple thaw-freeze cycles. The product is stable for 1 year at -20ºC.
Instructions:	HiLyte Fluor™ 750-IgG conjugate has been optimized in fluorophore/protein labeling ratio to ensure high fluorescent signal and uncompromised IgG function. Spectrally similar to Cy7 dye, HiLyte Fluor™ 750 is the longest-wavelength HiLyte Fluor™ dye currently available. Its fluorescence emission maximum at 778 nm is well separated from commonly used far-red fluorophores such as HiLyte Fluor™ 647, HiLyte Fluor™ 680 or allophycocyanin (APC), facilitating multicolor analysis. With a peak excitation at ~754 nm, conjugates of HiLyte Fluor™ 750 dyes are well excited by a xenon-arc lamp or dye-pumped lasers operating in the 720–750 nm range. The recommended concentration for most immunofluorescent staining is 1-10 µg/mL. If the non-specific binding background is high, you may decrease the concentration to minimize the background. You may also centrifuge the conjugate briefly and use the supernatant only for staining. This IgG is highly adsorbed with minimal cross-reaction to human, mouse, and rat serum protein.

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