HiLyte Fluor™ Labeled Secondary Antibody Sampler Kit

Goat anti-mouse and Goat anti-rabbit IgG
Highly Cross-adsorbed

Catalog #	72001-50
Unit Size	1 Kit
Size	6 x 50 µg of HiLyte Fluor™ dye-IgG conjugate

This kit provides six different HiLyte Fluor™ fluorescent secondary antibodies, which are ideal for optimizing your immunofluorescence-staining experiment. Each antibody is sufficient for staining 40-400 samples in size of 10 x 10 mm^2.

INTRODUCTION

Fluorescent dye conjugated secondary antibodies have been widely used in immunofluorescence staining, fluorescence activated cell sorting, *in situ* hybridization and other fluorescence-based biological applications.

The serial HiLyte Fluor™ fluorophores have premium quality with brighter fluorescence and better photostability compared to FITC, TAMRA and Cy5 dyes. The HiLyte Fluor™ fluorescent secondary antibodies have been optimized in fluorophore/protein labeling ratio to ensure high fluorescent signal and uncompromised IgG function. The actual dye/IgG ratio or degree of substitution (DOS) is labeled on each vial. Every lot has been validated with immunofluorescence staining to guarantee the best performance.

The goat anti-rabbit IgG is highly adsorbed with minimal cross-reaction to human, mouse, and rat serum protein. While the goat anti-mouse IgG is highly adsorbed with minimal cross-reaction to human, bovine, horse, rabbit, and swine serum proteins. These secondary antibodies are ideal for multi-fluorescence staining in which several primary antibodies from different species are involved.

All fluorescent secondary antibodies are also available to be purchased individually.

KIT COMPONENTS

Catalog#	Fluorescent Antibody	Fluorescence	Ex/Em (nm)
61057-H488	Goat anti-mouse IgG (H+L), adsorbed HiLyte Fluor™ 488 conjugated	Green	499/523
61057-H555	Goat anti-mouse IgG (H+L), adsorbed HiLyte Fluor™ 555 conjugated	Orange	553/568
61057-H647	Goat anti-mouse IgG (H+L), adsorbed HiLyte Fluor™ 647 conjugated	Red	653/673
61056-H488	Goat anti-rabbit IgG (H+L), adsorbed HiLyte Fluor™ 488 conjugated	Green	499/523
61056-H555	Goat anti-rabbit IgG (H+L), adsorbed HiLyte Fluor™ 555 conjugated	Orange	553/568
61056-H647	Goat anti-rabbit IgG (H+L), adsorbed HiLyte Fluor™ 647 conjugated	Red	653/673

STORAGE AND HANDLING

All fluorescent secondary antibodies are supplied as 0.5 mg/mL in 10 mM phosphate, 150 mM NaCl, pH 7.2, with bovine serum albumin and 2 mM sodium azide.

The dye-IgG conjugate is stable for 2~3 months at 4ºC. For long-term storage, add an equal volume of glycerol (ACS grade or higher) and store the conjugate at -20°C. The product is stable for 1 year at -20ºC.

USE AND INSTRUCTION

The recommended concentration for most immunofluorescent staining is 0.5-10 μg/mL (1:1000 to 1:50 dilution of stock solution). A good starting point is 5 μg/mL (1:100 dilution). 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.