



HiLyte Fluor™ Labeled Secondary Antibody Sampler Kit

Goat anti-mouse and Goat anti-rabbit IgG

Catalog #	72002-50
Unit Size	1 Kit
Kit Size	6 x 50 µg 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 4-40 samples in size of 10 x 10 mm².

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/IgG labeling ratio to ensure high fluorescence 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.

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

KIT COMPONENTS

Catalog#	Fluorescent Antibody	Fluorescence	Ex/Em (nm)
28175-H488	Goat anti-mouse IgG (H+L), HiLyte Fluor™ 488 conjugated	Green	499/523
28175-H555	Goat anti-mouse IgG (H+L), HiLyte Fluor™ 555 conjugated	Orange	553/568
28175-H647	Goat anti-mouse IgG (H+L), HiLyte Fluor™ 647 conjugated	Red	653/673
28176-H488	Goat anti-rabbit IgG (H+L), HiLyte Fluor™ 488 conjugated	Green	499/523
28176-H555	Goat anti-rabbit IgG (H+L), HiLyte Fluor™ 555 conjugated	Orange	553/568
28176-H647	Goat anti-rabbit IgG (H+L), 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 4°C. 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 -20°C.

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.