



## HiLyte Fluor™ Labeled Secondary Antibody Sampler Kit

**\*Rabbit anti-mouse and Rabbit anti-goat IgG\***

<b>Catalog #</b>	<b>72000--50</b>
<b>Unit Size</b>	1 Kit
<b>Kit Size</b>	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 40-400 samples in size of 10 x 10 mm<sup>2</sup>.

### **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 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 optimal performance. All IgGs have minimal cross-reaction to human serum proteins.

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

### **KIT COMPONENTS**

<b>Catalog#</b>	<b>Fluorescent Antibody</b>	<b>Fluorescence</b>	<b>Ex/Em (nm)</b>
28164-H488	Rabbit anti-mouse IgG (H+L), HiLyte Fluor™ 488 conjugated	Green	499/523
28164-H555	Rabbit anti-mouse IgG (H+L), HiLyte Fluor™ 555 conjugated	Orange	553/568
28164-H647	Rabbit anti-mouse IgG (H+L), HiLyte Fluor™ 647 conjugated	Red	653/673
28168-H488	Rabbit anti-goat IgG (H+L), HiLyte Fluor™ 488 conjugated	Green	499/523
28168-H555	Rabbit anti-goat IgG (H+L), HiLyte Fluor™ 555 conjugated	Orange	553/568
28168-H647	Rabbit anti-goat IgG (H+L), HiLyte Fluor™ 647 conjugated	Red	653/673

## **STORAGE AND HANDLING**

All fluorescent 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 immunofluorescence 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.