iFluor™ 546 goat anti-mouse IgG (H+L) *Cross Adsorbed*

Catalog number: 16537
Unit size: 200 ug

Product Details

Storage Conditions	2-6°C and kept from light. To extend the shelf-life of this product, add an equal volume of glycerol to make a final concentration of approximately 50% glycerol and store at -20°C.
Expiration Date	12 months upon receiving
Concentration	1 mg/mL
Formulation	PBS, 2 mg/mL BSA

Unit Details

Unit	16537 (200 ug)
Reconstitution Volume	200 uL ddH_2O

Antibody Properties

Species Reactivity	Mouse
Class	Secondary
Clonality	Polyclonal
Host	Goat

Chemical Properties

Molecular Weight	~150000

Biological Properties

Stabilizer	None
Appearance	Red solid
Preparation	Goat anti-mouse IgG (H+L) is produced in goat with pooled total mouse IgG, and affinity purified with mouse IgG coupled beads. The purified IgG has a minimal cross-reaction to human, horse, rabbit and bovine IgG. The antibody is conjugated with iFluor™ 546 under optimal condition.
Application	Immunofluorescence (IF), Flow Cytometry (FACS)
Soluble In	Water

Spectral Properties

Conjugate	iFluor™ 546
Excitation Wavelength	541 nm
Emission Wavelength	557 nm

Applications

iFluor™ 546 is a bright orange fluorescent dye. iFluor™ 546-labeled anti-IgG conjugates exhibit bright fluorescence signal and good photostability. Used for stable signal generation in imaging and flow cytometry, the fluorescence intensity of iFluor™ 546 conjugates is pH-insensitive from pH 4 to pH 11. The iFluor™ 546-labeled antibody conjugates can be well excited with either Nd:YAG laser (~532 nm) or Helium-Neon laser (~543 nm). iFluor™ 546 family has the spectral properties essentially identical to those of Alexa Fluor® 546. Under the same conditions we tested, iFluor™ 546 antibody conjugates are brighter and more photostable than the corresponding Alexa Fluo® 546. These spectral and labeling characteristics make the iFluor™ 546 dye family a superior alternative to Alexa Fluor® 546. In addition, iFluor™ 546 secondary antibody conjugates give higher signal/background ratios than the corresponding Alexa Fluor® 546-labeled conjugates.