

**iFluor™ 820 goat anti-mouse IgG (H+L)**Catalog number: 48008, 48009  
Unit size: 200 µg, 1 mg**Product Details**

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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**

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Unit	48008 (200 µg)	48009 (1 mg)
Reconstitution Volume	200 µL ddH <sub>2</sub> O	1 mL ddH <sub>2</sub> O

**Antibody Properties**

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Species Reactivity	Mouse
Class	Secondary
Clonality	Polyclonal
Host	Goat

**Chemical Properties**

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Molecular Weight	~150000
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**Biological Properties**

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Stabilizer	None
Appearance	Green 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 antibody is conjugated with iFluor™ 820 under optimal condition.
Application	Flow Cytometry (FACS), ELISA, HC, Western Blot
Soluble In	Water

**Spectral Properties**

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Conjugate	iFluor™ 820
Excitation Wavelength	822 nm

## Applications

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AAT Bioquest's iFluor™ dyes are optimized for labeling proteins, in particular, antibodies. These dyes are bright, photostable, and have minimal quenching on proteins. They can be well excited by the major laser lines of fluorescence instruments (e.g., 350, 405, 488, 532-561, 633-647, and 808 nm). iFluor™ 820 goat anti-mouse IgG (H+L) conjugate has fluorescence excitation and emission maxima of 822 nm and 850 nm, respectively. These unique spectral characteristics makes iFluor™ 820 goat anti-mouse IgG (H+L) conjugates ideal for various NIR imaging applications, including Western blotting, ELISA, protein arrays, tissue section imaging, and *in vivo* imaging.