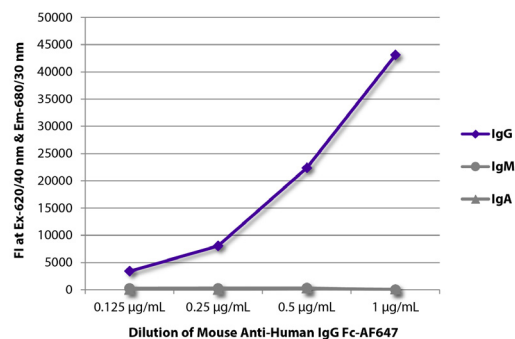




## Mouse Anti-Human IgG Fc

Cat. No.	Format	Size
9042-01	Purified (UNLB)	0.5 mg
9042-02	Fluorescein (FITC)	0.5 mg
9042-04	Alkaline Phosphatase (AP)	1.0 mL
9042-05	Horseradish Peroxidase (HRP)	1.0 mL
9042-08	Biotin (BIOT)	0.5 mg
9042-09	R-phycoerythrin (PE)	0.1 mg
9042-11	Allophycocyanin (APC)	0.1 mg
9042-13	Spectral Red <sup>®</sup> (SPRD)	0.1 mg
9042-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
9042-15	Cyanine 5 (CY5)	0.1 mg
9042-30	Alexa Fluor <sup>®</sup> 488 (AF488)	0.1 mg
9042-31	Alexa Fluor <sup>®</sup> 647 (AF647)	0.1 mg
9042-32	Alexa Fluor <sup>®</sup> 555 (AF555)	0.1 mg



FLISA plate was coated with purified human IgG, IgM, and IgA. Immunoglobulins were detected with serially diluted Mouse Anti-Human IgG Fc-AF647 (SB Cat. No. 9042-31).

### Overview

<b>Clone</b>	H2
<b>Isotype</b>	Mouse IgG <sub>2bκ</sub>
<b>Immunogen</b>	Unknown
<b>Specificity</b>	Human/Rhesus/Cynomolgus/Chimpanzee/African Green Monkey/Mangabey/Pigtail IgG Fc; Mr 150 kDa

### Applications

ELISA – Quality tested <sup>1</sup>  
 FLISA – Quality tested  
 FC – Quality tested <sup>4</sup>  
 ELISPOT – Reported in literature <sup>2</sup>  
 WB – Reported in literature <sup>3</sup>  
 Multiplex – Reported in literature <sup>5-9</sup>

### Working Dilutions

<b>ELISA</b>	AP conjugate	1:2,000 – 1:8,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:10,000 – 1:20,000
<b>FLISA</b>	FITC conjugate	1:200 – 1:600
	AF488 and AF555 conjugates	1:100 – 1:400
	PE and AF647 conjugates	≤ 1 µg/mL
<b>Flow Cytometry</b>	Purified (UNLB) antibody	≤ 1 µg/10 <sup>6</sup> cells
	FITC, BIOT, and AF488 conjugates	≤ 1 µg/10 <sup>6</sup> cells
	CY5 conjugate	≤ 0.3 µg/10 <sup>6</sup> cells
	PE, APC, SPRD, and AF647 conjugates	≤ 0.1 µg/10 <sup>6</sup> cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	

**Other Applications** Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

**For Research Use Only. Not for Diagnostic or Therapeutic Use.**

## Handling and Storage

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- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL of stock solution in 50 mM Tris/1 mM MgCl<sub>2</sub>/50% glycerol, pH 8.0, containing NaN<sub>3</sub> as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL of stock solution in 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red<sup>®</sup> (SPRD) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The Alexa Fluor<sup>®</sup> 488 (AF488), Alexa Fluor<sup>®</sup> 647 (AF647), and Alexa Fluor<sup>®</sup> 555 (AF555) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

## Warning

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Some reagents contain sodium azide. Please refer to product specific (M)SDS.

## References

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3. Goodman RE, Panda R, Ariyaratna H. Evaluation of endogenous allergens for the safety evaluation of genetically engineered food crops: review of potential risks, test methods, examples and relevance. *J Agric Food Chem.* 2013;61:8317-32. (WB)
4. He B, Xu W, Santini PA, Polydorides AD, Chiu A, Estrella J, et al. Intestinal bacteria trigger T cell-independent immunoglobulin A<sub>2</sub> class switching by inducing epithelial-cell secretion of the cytokine APRIL. *Immunity.* 2007;26:812-26. (FC)
5. Moss DM, Priest JW, Boyd A, Weinkopff T, Kucerova Z, Beach MJ, et al. Multiplex bead assay for serum samples from children in Haiti enrolled in a drug study for the treatment of lymphatic filariasis. *Am J Trop Med Hyg.* 2011;85:229-37. (Multiplex)
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9. Goodhew EB, Morgan SM, Switzer AJ, Munoz B, Dize L, Gaydos C, et al. Longitudinal analysis of antibody responses to trachoma antigens before and after mass drug administration. *BMC Infect Dis.* 2014;14:216. (Multiplex)
10. Nonhuman Primate Reagent Resource (Rhesus, Cynomolgus, Chimpanzee, African Green Monkey, Mangabey, & Pigtail Reactivity)

Spectral Red<sup>®</sup> is a registered trademark of Southern Biotechnology Associates, Inc.

Spectral Red<sup>®</sup> is a PE/CY5 tandem conjugate.

Cy<sup>®</sup> is a registered trademark of GE Healthcare.

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