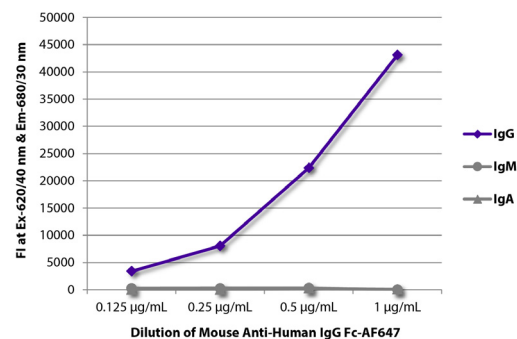




## Mouse Anti-Human IgG Fc

| 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

---

- 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

---

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

## References

---

1. Vlasak J, Bussat MC, Wang S, Wagner-Rousset E, Schaefer M, Klinguer-Hamour C, et al. Identification and characterization of asparagine deamidation in the light chain CDR1 of a humanized IgG1 antibody. *Anal Biochem.* 2009;392:145-54. (ELISA)
2. Mahal SP, Baker CA, Demczyk CA, Smith EW, Julius C, Weissmann C. Prion strain discrimination in cell culture: the cell panel assay. *Proc Natl Acad Sci USA.* 2007;104:20908-13. (ELISPOT)
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)
6. Priest JW, Moss DM, Won K, Todd CW, Henderson L, Jones CC, et al. Multiplex assay detection of immunoglobulin G antibodies that recognize *Babesia microti* antigens. *Clin Vaccine Immunol.* 2012;19:1539-48. (Multiplex)
7. Goodhew EB, Priest JW, Moss DM, Zhong G, Munoz B, Mkocho H, et al. CT694 and pgp3 as serological tools for monitoring trachoma programs. *PLoS Negl Trop Dis.* 2012;6(11):e1873. (Multiplex)
8. Yang G, Holl TM, Liu Y, Li Y, Lu X, Nicely NI, et al. Identification of autoantigens recognized by the 2F5 and 4E10 broadly neutralizing HIV-1 antibodies. *J Exp Med.* 2013;210:241-56. (Multiplex)
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.

Alexa Fluor<sup>®</sup> 488, 647, and 555 are provided under an Intellectual property license from Life Technologies Corporation. The purchase of this product conveys to the buyer the non-transferable right to use the purchased amount of the product and components of the product in research conducted by the buyer (whether the buyer is an academic or for-profit entity). The buyer cannot sell or otherwise transfer (a) this product (b) its components or (c) materials made using this product or its components to a third party or otherwise use this product or its components or materials made using this product or its components for Commercial Purposes. Commercial Purposes means any activity by a party for consideration and may include, but is not limited to: (1) use of the product or its components in manufacturing; (2) use of the product or its components to provide a service, information, or data; (3) use of the product or its components for therapeutic, diagnostic or prophylactic purposes; or (4) resale of the product or its components, whether or not such product or its components are resold for use in research. For information on purchasing a license to this product for any other use, contact Life Technologies Corporation, 5791 Van Allen Way, Carlsbad, CA 92008 USA or [outlicensing@lifetech.com](mailto:outlicensing@lifetech.com).