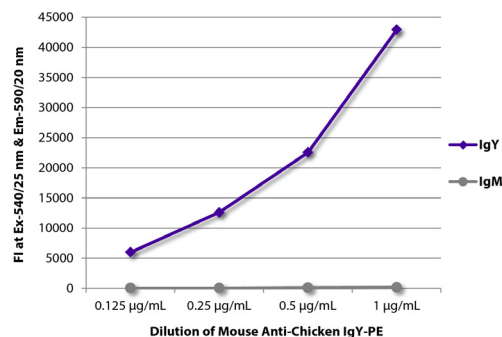




Mouse Anti-Chicken IgY

| Cat. No. | Format | Size |
|----------|--------------------------|--------|
| 8320-01 | Purified (UNLB) | 0.5 mg |
| 8320-02 | Fluorescein (FITC) | 0.5 mg |
| 8320-08 | Biotin (BIOT) | 0.5 mg |
| 8320-09 | R-phycoerythrin (PE) | 0.1 mg |
| 8320-31 | Alexa Fluor® 647 (AF647) | 0.1 mg |



FLISA plate was coated with purified chicken IgY and IgM. Immunoglobulins were detected with serially diluted Mouse Anti-Chicken IgY-PE (SB Cat. No. 8320-09).

Overview

| | |
|--------------------------|--|
| Clone | G-1 |
| Isotype | Mouse (BALB/c) IgG _{1κ} |
| Immunogen | Affinity purified chicken Ig or isolated lymphocytes |
| Specificity | Chicken/Turkey IgY; Mr 165–206 kDa |
| Alternate Name(s) | N/A |

Applications

ELISA – Quality tested ⁶⁻⁹
 FLISA – Quality tested
 FC – Reported in literature ¹⁰⁻¹³
 IHC-FS – Reported in literature ²⁻⁴
 ICC – Reported in literature ⁵
 IP – Reported in literature ¹

Working Dilutions

| | | |
|---------------------------|--|--------------------|
| FLISA | FITC conjugate | 1:200 – 1:400 |
| | PE and AF647 conjugates | ≤ 1 µg/mL |
| ELISA | BIOT conjugate | 1:5,000 – 1:20,000 |
| 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/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor® 647 (AF647) conjugate is supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. 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 SDS.

References

1. Chen CH, Lehmeyer JE, Cooper MD. Evidence for an IgD homologue on chicken lymphocytes. *J Immunol.* 1982;129:2580-5. (Immunogen, IP)
2. Javed MA, Frasca S Jr, Rood D, Cecchini K, Gladd M, Geary SJ, et al. Correlates of immune protection in chickens vaccinated with *Mycoplasma gallisepticum* strain GT5 following challenge with pathogenic *M. gallisepticum* strain Rlow. *Infect Immun.* 2005;73:5410-9. (IHC-FS)
3. Hansell C, Zhu XW, Brooks H, Sheppard M, Withanage S, Maskell D, et al. Unique features and distribution of the chicken CD83⁺ cell. *J Immunol.* 2007;179:5117-25. (IHC-FS)
4. Bader SR, Kothlow S, Trapp S, Schwarz SC, Philipp H, Weigend S, et al. Acute parietic syndrome in juvenile White Leghorn chickens resembles late stages of acute inflammatory demyelinating polyneuropathies in humans. *J Neuroinflammation.* 2010;7:7. (IHC-FS)
5. Singh S, Briles WE, Lupiani B, Collisson EW. Avian influenza viral nucleocapsid and hemagglutinin proteins induce chicken CD8⁺ memory T lymphocytes. *Virology.* 2010;399:231-8. (ICC)
6. Bailey JS, Rolón A, Hofacre CL, Holt PS, Wilson JL, Cosby DE, et al. Intestinal humoral immune response and resistance to *Salmonella* challenge of progeny from breeders vaccinated with killed antigen. *Intl J Poult Sci.* 2007;6:417-23. (ELISA)
7. Fasina YO, Holt PS, Moran ET, Moore RW, Conner DE, McKee SR. Intestinal cytokine response of commercial source broiler chicks to *Salmonella typhimurium* infection. *Poult Sci.* 2008;87:1335-46. (ELISA)
8. Lardinois A, van den Berg T, Lambrecht B, Steensels M. A model for the transfer of passive immunity against Newcastle disease and avian influenza in specific pathogen free chickens. *Avian Pathol.* 2014;43:118-24. (ELISA)
9. Orr-Burks N, Gulley SL, Gallardo RA, Toro H, van Ginkel FW. Immunoglobulin A as an early humoral responder after mucosal avian coronavirus vaccination. *Avian Dis.* 2014;58:279-86. (ELISA)
10. Del Cacho E, Gallego M, López-Bernard F, Sánchez-Acedo C, Lillehoj HS. Isolation of chicken follicular dendritic cells. *J Immunol Methods.* 2008;334:59-69. (FC)
11. Del Cacho E, Gallego M, Lillehoj HS, López-Bernard F, Sánchez-Acedo C. Avian follicular and interdigitating dendritic cells: isolation and morphologic, phenotypic, and functional analyses. *Vet Immunol Immunopathol.* 2009;129:66-75. (FC)
12. Janardhana V, Broadway MM, Bruce MP, Lowenthal JW, Geier MS, Hughes RJ, et al. Prebiotics modulate immune responses in the gut-associated lymphoid tissue of chickens. *J Nutr.* 2009;139:1404-9. (FC)
13. Petkov DI, Linnemann EG, Kapczynski DR, Sellers HS. Identification and characterization of two distinct bursal B-cell subpopulations following infectious bursal disease virus infection of White Leghorn chickens. *Avian Dis.* 2009;53:347-55. (FC)

Alexa Fluor® 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.

TB8320
10-Jul-18

Corporate Offices: 160 Oxmoor Blvd • Birmingham, AL 35209 • USA Mailing Address: P.O. Box 26221 • Birmingham, AL 35260 • USA

Tel: 205.945.1774 • U.S. and Canada: 800.722.2255 • Fax: 205.945.8768

Email: info@southernbiotech.com • Website: www.southernbiotech.com