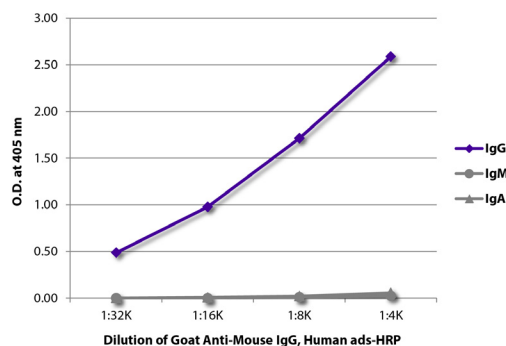




Goat Anti-Mouse IgG, Human ads

Cat. No.	Format	Size
1030-01	Purified (UNLB)	1.0 mg
1030-02	Fluorescein (FITC)	1.0 mg
1030-03	Rhodamine (TRITC)	1.0 mg
1030-04	Alkaline Phosphatase (AP)	1.0 mL
1030-05	Horseradish Peroxidase (HRP)	1.0 mL
1030-06	β -galactosidase (BGAL)	1.0 mL
1030-07	Texas Red [®] (TXRD)	1.0 mg
1030-08	Biotin (BIOT)	1.0 mg
1030-09	R-phycoerythrin (PE)	0.5 mg
1030-09S	R-phycoerythrin (PE)	0.25 mg
1030-15	Cyanine 5 (CY5)	1.0 mg
1030-30	Alexa Fluor [®] 488 (AF488)	1.0 mg
1030-31	Alexa Fluor [®] 647 (AF647)	1.0 mg
1030-32	Alexa Fluor [®] 555 (AF555)	1.0 mg



ELISA plate was coated with purified mouse IgG, IgM, and IgA. Immunoglobulins were detected with serially diluted Goat Anti-Mouse IgG, Human ads-HRP (SB Cat. No. 1030-05).

Description

Specificity	Reacts with the heavy chains of mouse IgG ₁ , IgG _{2a} , IgG _{2b} , IgG _{2c} , and IgG ₃
Source	Pooled antisera from goats hyperimmunized with mouse IgG
Cross Adsorption	Mouse IgM and IgA; human immunoglobulins and pooled sera; may react with immunoglobulins from other species
Purification	Affinity chromatography on mouse IgG covalently linked to agarose

Applications

Quality tested applications include –

ELISA¹⁻¹⁰
 FLISA
 FC^{5,11-13}

Other referenced applications include –

ELISPOT^{1,3-6}
 IHC-FS^{2,14,15}
 IHC-PS¹⁶⁻¹⁸
 ICC¹⁹⁻²²
 WB^{7,21,23-25}
 Multiplex^{26,27}

Working Dilutions

ELISA	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BGAL conjugate	1:500
	BIOT conjugate	1:5,000 – 1:20,000

FLISA	FITC, TRITC, TXRD, AF488, and AF555 conjugates	1:100 – 1:400
	PE, CY5, and AF647 conjugates	≤ 1 µg/mL

Flow Cytometry	FITC, BIOT, and AF488 conjugates	≤ 1 µg/10 ⁶ cells
	PE, CY5, and AF647 conjugates	≤ 0.1 µg/10 ⁶ 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 1.0 mg 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), rhodamine (TRITC), Texas Red® (TXRD), Cyanine 5 (CY5), Alexa Fluor® 488 (AF488), Alexa Fluor® 555 (AF555), and Alexa Fluor® 647 (AF647) conjugates are supplied as 1.0 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The alkaline phosphatase (AP) conjugate is supplied as 1.0 mL in a stock solution of 50 mM Tris/1 mM MgCl₂/50% glycerol, pH 8.0, containing NaN₃ as preservative. Store at 2-8°C or long-term at -20°C.
- The horseradish peroxidase (HRP) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS, pH 7.4. No preservative added. Store at 2-8°C or long-term at -20°C.
- The β-galactosidase (BGAL) conjugate is supplied as 1.0 mL in a stock solution of 50% glycerol/50% PBS containing NaN₃ as preservative. Store at 2-8°C or long-term at -20°C.
- The biotin (BIOT) conjugate is supplied as 1.0 mg in 2.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.5 mg in 1.0 mL or 0.25 mg in 0.5 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- 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. van Ginkel FW, Wahl SM, Kearney JF, Kweon M, Fujihashi K, Burrows PD, et al. Partial IgA-deficiency with increased Th2-type cytokines in TGF-β1 knockout mice. *J Immunol.* 1999;163:1951-7. (ELISA, ELISPOT)
2. Dunn LA, Uproft JA, Fowler EV, Matthews BS, Uproft P. Orally administered *Giardia duodenalis* extracts enhance an antigen-specific antibody response. *Infect Immun.* 2001;69:6503-10. (ELISA, IHC-FS)
3. Lagrota-Candido J, Vasconcellos R, Cavalcanti M, Bozza M, Savino W, Quirico-Santos T. Resolution of skeletal muscle inflammation in mdx dystrophic mouse is accompanied by increased immunoglobulin and interferon-γ production. *Int J Exp Path.* 2002;83:121-32. (ELISA, ELISPOT)
4. Hovden A, Cox RJ, Haaheim LR. Whole influenza virus vaccine is more immunogenic than split influenza virus vaccine and induces primarily an IgG2a response in BALB/c mice. *Scand J Immunol.* 2005;62:36-44. (ELISA, ELISPOT)
5. Conway KL, Kuballa P, Khor B, Zhang M, Shi HN, Virgin HW, et al. ATG5 regulates plasma cell differentiation. *Autophagy.* 2013;9:528-37. (ELISA, ELISPOT, FC)
6. Koutsonanos DG, Esser ES, McMaster SR, Kalluri P, Lee J, Prausnitz MR, et al. Enhanced immune responses by skin vaccination with influenza subunit vaccine in young hosts. *Vaccine.* 2015;33:4675-82. (ELISA, ELISPOT)
7. Yolken RH, Jones-Brando L, Dunigan DD, Kannan G, Dickerson F, Severance E, et al. Chlorovirus ATCV-1 is part of the human oropharyngeal virome and is associated with changes in cognitive functions in humans and mice. *Proc Natl Acad Sci USA.* 2014;111:16106-11. (ELISA, WB)
8. Zhou Y, Maharaj PD, Mallajosyula JK, McCormick AA, Kearney CM. In planta production of flock house virus transencapsidated RNA and its potential use as a vaccine. *Mol Biotechnol.* 2015;57:325-36. (ELISA)
9. Zhao H, Bauzon F, Bi E, Yu JJ, Fu H, Lu Z, et al. Substituting threonine 187 with alanine in p27Kip1 prevents pituitary tumorigenesis by two-hit loss of Rb1 and enhances humoral immunity in old age. *J Biol Chem.* 2015;290:5797-809. (ELISA)
10. Schubert RD, Hu Y, Kumar G, Szeto S, Abraham P, Winderl J, et al. IFN-β treatment requires B cells for efficacy in neuroautoimmunity. *J Immunol.* 2015;194:2110-6. (ELISA)
11. Chen J, Yin H, Xu J, Wang Q, Edelblum KL, Sciammas R, et al. Reversing endogenous alloreactive B cell GC responses with anti-CD154 or CTLA-4lg. *Am J Transplant.* 2013;13:2280-92. (FC)
12. Maxwell P, Melendez-Rodríguez F, Matchett KB, Aragones J, Ben-Califa N, Jaekel H, et al. Novel antibodies directed against the human erythropoietin receptor: creating a basis for clinical implementation. *Br J Haematol.* 2015;168:429-42. (FC)
13. Brady AM, Spencer BL, Falsey AR, Nahm MH. Blood collection tubes influence serum ficolin-1 and ficolin-2 levels. *Clin Vaccine Immunol.* 2014;21:51-5. (FC)
14. Csencsits K, Burrell BE, Lu G, Eichwald EJ, Stahl GL, Bishop DK. The classical complement pathway in transplantation: unanticipated protective effects of C1q and role in inductive antibody therapy. *Am J Transplant.* 2008;8:1622-30. (IHC-FS)
15. Sic H, Kraus H, Madl J, Flittner K, von Münchow AL, Pieper K, et al. Sphingosine-1-phosphate receptors control B-cell migration through signaling components associated with primary immunodeficiencies, chronic lymphocytic leukemia, and multiple sclerosis. *J Allergy Clin Immunol.* 2014;134:420-8. (IHC-FS)
16. Zheng P, Zhao YX, Zhang AD, Kang C, Chen HC, Jin ML. Pathologic analysis of the brain from *Streptococcus suis* type 2 experimentally infected pigs. *Vet Pathol.* 2009;46:531-5. (IHC-PS)
17. McPhee CG, Sproule TJ, Shin D, Bubier JA, Schott WH, Steinbuck MP, et al. MHC class I family proteins retard systemic lupus erythematosus autoimmunity and B cell lymphomagenesis. *J Immunol.* 2011;187:4695-704. (IHC-PS)
18. Vujasinovic T, Pribic J, Kanjer K, Milosevic NT, Tomasevic Z, Milovanovic Z, et al. Gray-level co-occurrence matrix texture analysis of breast tumor images in prognosis of distant metastasis risk. *Microsc Microanal.* 2015;21:646-54. (IHC-PS)
19. Sjöberg M, Garoff H. Interactions between the transmembrane segments of the alphavirus E1 and E2 proteins play a role in virus budding and fusion. *J Virol.* 2003;77:3441-50. (ICC)
20. Roberts MS, Woods AJ, Dale TC, van der Sluijs P, Norman JC. Protein kinase B/Akt acts via glycogen synthase kinase 3 to regulate recycling of αvβ3 and α5β1 integrins. *Mol Cell Biol.* 2004;24:1505-15. (ICC)
21. Ma Y, Yates J, Liang Y, Lemon SM, Yi M. NS3 helicase domains involved in infectious intracellular hepatitis C virus particle assembly. *J Virol.* 2008;82:7624-39. (ICC, WB)
22. Mia MM, Bank RA. Paracrine factors of human amniotic fluid-derived mesenchymal stem cells show strong anti-fibrotic properties by inhibiting myofibroblast differentiation and collagen synthesis. *J Stem Cell Res Ther.* 2015;5:5. (ICC)
23. Friedman J, Alam SM, Shen X, Xia S, Stewart S, Anasti K, et al. Isolation of HIV-1-neutralizing mucosal monoclonal antibodies from human colostrum. *PLoS One.* 2012;7(5):e37648. (WB)
24. Bender BJ, Coen DM, Strang BL. Dynamic and nucleolin-dependent localization of human cytomegalovirus UL84 to the periphery of viral replication compartments and nucleoli. *J Virol.* 2014;88:11738-47. (WB)
25. Hethorn WR, Ciarlone SL, Filonova I, Rogers JT, Aguirre D, Ramirez RA, et al. Reelin supplementation recovers synaptic plasticity and cognitive deficits in a mouse model for Angelman syndrome. *Eur J Neurosci.* 2015;41:1372-80. (WB)
26. Hovden A, Brokstad KA, Major D, Wood J, Haaheim LR, Cox RJ. A pilot study of the immune response to whole inactivated avian influenza H7N1 virus vaccine in mice. *Influenza Other Respir Viruses.* 2009;3:21-8. (Multiplex)
27. Brummelman J, Helm K, Hamstra H, van der Ley P, Boog CJ, Han WG, et al. Modulation of the CD4⁺ T cell response after acellular pertussis vaccination in the presence of TLR4 ligation. *Vaccine.* 2015;33:1483-91. (Multiplex)

Texas Red® is a registered trademark of Molecular Probes, Inc.

Cy® is a registered trademark of GE Healthcare.

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.

TB1030

02-Mar-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