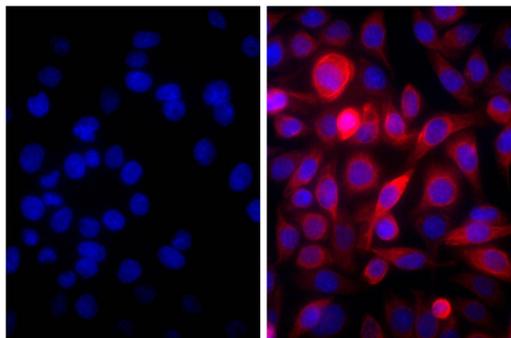




Goat Anti-Mouse IgG(H+L), Human ads

| Cat. No. | Format | Size |
|----------|--------------------------------------|---------|
| 1031-01 | Purified (UNLB) | 1.0 mg |
| 1031-02 | Fluorescein (FITC) | 1.0 mg |
| 1031-03 | Rhodamine (TRITC) | 1.0 mg |
| 1031-04 | Alkaline Phosphatase (AP) | 1.0 mL |
| 1031-05 | Horseradish Peroxidase (HRP) | 1.0 mL |
| 1031-07 | Texas Red [®] (TXRD) | 1.0 mg |
| 1031-08 | Biotin (BIOT) | 1.0 mg |
| 1031-09 | R-phycoerythrin (PE) | 0.5 mg |
| 1031-09S | R-phycoerythrin (PE) | 0.25 mg |
| 1031-11L | Allophycocyanin (APC) | 0.5 mg |
| 1031-11S | Allophycocyanin (APC) | 0.25 mg |
| 1031-15 | Cyanine 5 (CY5) | 1.0 mg |
| 1031-30 | Alexa Fluor [®] 488 (AF488) | 1.0 mg |
| 1031-31 | Alexa Fluor [®] 647 (AF647) | 1.0 mg |
| 1031-32 | Alexa Fluor [®] 555 (AF555) | 1.0 mg |



Human pancreatic carcinoma cell line MIA PaCa-2 was stained with Mouse Anti-Cytokeratin 18-UNLB (SB Cat. No. 10085-01; right) followed by Goat Anti-Mouse IgG(H+L), Human ads-AF555 (SB Cat. No. 1031-32) and DAPI.

Description

| | |
|-------------------------|--|
| Specificity | Reacts with the heavy and light chains of mouse IgG ₁ , IgG _{2a} , IgG _{2b} , IgG _{2c} , and IgG ₃ and with the light chains of mouse IgM and IgA |
| Source | Pooled antisera from goats hyperimmunized with mouse IgG |
| Cross Adsorption | 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 –

ELISA¹⁻⁷
 FLISA⁸
 FC^{3,8-13}

Other referenced applications include –

ELISPOT²⁸
 IHC-FS^{14,15}
 IHC-PS¹⁶
 ICC^{12,17-20}
 WB²¹⁻²⁷

Working Dilutions

| | | |
|---------------------------|--|--------------------------------|
| ELISA | AP conjugate | 1:2,000 – 1:4,000 |
| | HRP conjugate | 1:4,000 – 1:8,000 |
| | BIOT conjugate | 1:5,000 – 1:20,000 |
| FLISA | FITC, TRITC, TXRD, AF488, and AF555 conjugates | 1:100 – 1:400 |
| | PE, APC, CY5, and AF647 conjugates | ≤ 1 µg/mL |
| Flow Cytometry | FITC, BIOT, and AF488 conjugates | ≤ 1 µg/10 ⁶ cells |
| | PE, APC, 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 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) and allophycocyanin (APC) conjugates are 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. Swiecki MK, Lisanby MW, Shu F, Turnbough CL Jr, Kearney JF. Monoclonal antibodies for Bacillus anthracis spore detection and functional analyses of spore germination and outgrowth. *J Immunol.* 2006;176:6076-84. (ELISA)
2. Stegmann T, Kamphuis T, Meijerhof T, Goud E, de Haan A, Wilschut J. Lipopeptide-adjuvanted respiratory syncytial virus virosomes: A safe and immunogenic non-replicating vaccine formulation. *Vaccine.* 2010;28:5543-50. (ELISA)
3. Christianson GJ, Sun VZ, Akilesh S, Pesavento E, Proetzel G, Roopenian DC. Monoclonal antibodies directed against human FcRn and their applications. *MAbs.* 2012;4:208-16. (ELISA, FC)
4. Stefka AT, Feehley T, Tripathi P, Qiu J, McCoy K, Mazmanian SK, et al. Commensal bacteria protect against food allergen sensitization. *Proc Natl Acad Sci USA.* 2014;111:13145-50. (ELISA)
5. Silva-Sanchez A, Liu CR, Vale AM, Khass M, Kapoor P, Elgavish A, et al. Violation of an evolutionarily conserved immunoglobulin diversity gene sequence preference promotes production of dsDNA-specific IgG antibodies. *PLoS One.* 2015;10(2):e0118171. (ELISA)
6. Lascano V, Hahne M, Papon L, Cameron K, Röeder C, Schafmayer C, et al. Circulating APRIL levels are correlated with advanced disease and prognosis in rectal cancer patients. *Oncogenesis.* 2015;4:e136. (ELISA)
7. 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)
8. Kilpatrick KE, Cutler T, Whitehorn E, Drape RJ, Macklin MD, Witherspoon SM, et al. Gene gun delivered DNA-based immunizations mediate rapid production of murine monoclonal antibodies to the Flt-3 receptor. *Hybridoma.* 1998;17:569-76. (FLISA, FC)
9. Johnson SE, Shah N, Panoskaltis-Mortari A, LeBien TW. Murine and human IL-7 activate STAT5 and induce proliferation of normal human pro-B cells. *J Immunol.* 2005;175:7325-31. (FC)
10. Donini M, Zenaro E, Tamassia N, Dusi S. NADPH oxidase of human dendritic cells: role in Candida albicans killing and regulation by interferons, dectin-1 and CD206. *Eur J Immunol.* 2007;37:1194-203. (FC)
11. Delaleu N, Madureira AC, Immervoll H, Jonsson R. Inhibition of experimental Sjögren's syndrome through immunization with HSP60 and its peptide amino acids 437-460. *Arthritis Rheum.* 2008;58:2318-28. (FC)
12. Le TL, Mironova E, Garcin D, Compans RW. Induction of influenza-specific mucosal immunity by an attenuated recombinant Sendai virus. *PLoS One.* 2011;6:e18780. (FC, ICC)
13. Daffon-Yunes N, Pinto-Silva FE, Vidal RS, Novis BF, Berguetti T, Lopes RR, et al. Characterization of a multidrug-resistant chronic myeloid leukemia cell line presenting multiple resistance mechanisms. *Mol Cell Biochem.* 2013;383:123-35. (FC)
14. Vainio O, Dunon D, Aissi F, Dangy J, McNagny KM, Imhof BA. HEMCAM, an adhesion molecule expressed by c-kit⁺ hemopoietic progenitors. *J Cell Biol.* 1996;135:1655-68. (IHC-FS)
15. Xia Y, Pawar RD, Nakouzi AS, Herlitz L, Broder A, Liu K, et al. The constant region contributes to the antigenic specificity and renal pathogenicity of murine anti-DNA antibodies. *J Autoimmun.* 2012;39:398-411. (IHC-FS)
16. Deckert V, Kretz B, Habbout A, Raghay K, Labbé J, Abello N, et al. Development of abdominal aortic aneurysm is decreased in mice with plasma phospholipid transfer protein deficiency. *Am J Pathol.* 2013;183:975-86. (IHC-PS)
17. Scaife S, Brown R, Kellie S, Filer A, Martin S, Thomas AM, et al. Detection of differentially expressed genes in synovial fibroblasts by restriction fragment differential display. *Rheumatology.* 2004;43:1346-52. (ICC)
18. Thomas RA, Norman JC, Huynh TT, Williams B, Bolton SJ, Wardlaw AJ. Mechanical stretch has contrasting effects on mediator release from bronchial epithelial cells, with a rho-kinase-dependent component to the mechanotransduction pathway. *Respir Med.* 2006;100:1588-97. (ICC)
19. Lee S, Bahn JH, Choi CK, Whitlock NC, English AE, Safe S, et al. ESE-1/EGR-1 pathway plays a role in tolfenamic acid-induced apoptosis in colorectal cancer cells. *Mol Cancer Ther.* 2008;7:3739-50. (ICC)
20. Taraftar S, Poe JA, Smithgall TE. The accessory factor Nef links HIV-1 to Tec/Btk kinases in an Src homology 3 domain-dependent manner. *J Biol Chem.* 2014;289:15718-28. (ICC)
21. Dalen KT, Ulven SM, Arntsen BM, Solaas K, Nebb HI. PPARα activators and fasting induce the expression of adipose differentiation-related protein in liver. *J Lipid Res.* 2006;47:931-43. (WB)
22. Hagen E, De Zio D, Bordini M, Zhu C, Dessen P, Caffin F, et al. A brain-specific isoform of mitochondrial apoptosis-inducing factor: AIF2. *Cell Death Differ.* 2010;17:1155-66. (WB)
23. Lunde IG, Kvaløy H, Austbø B, Christensen G, Carlson CR. Angiotensin II and norepinephrine activate specific calcineurin-dependent NFAT transcription factor isoforms in cardiomyocytes. *J Appl Physiol.* 2011;111:1278-89. (WB)
24. Norheim F, Raastad T, Thiede B, Rustan AC, Drevon CA, Haugen F. Proteomic identification of secreted proteins from human skeletal muscle cells and expression in response to strength training. *Am J Physiol Endocrinol Metab.* 2011;301:E1013-21. (WB)
25. Thomas AP, Dunn TN, Drayton JB, Oort PJ, Adams SH. A high calcium diet containing nonfat dry milk reduces weight gain and associated adipose tissue inflammation in diet-induced obese mice when compared to high calcium alone. *Nutr Metab.* 2012;9:3. (WB)
26. Stuckenholtz C, Lu L, Thakur PC, Choi T, Shin D, Bahary N. Srp5 modulates both Wnt and BMP signaling and regulates gastrointestinal organogenesis in the zebrafish, Danio rerio. *PLoS One.* 2013;8(4):e62470. (WB)
27. Muller M, Hutin S, Marigold O, Li KH, Burlingame A, Glaunsinger BA. A ribonucleoprotein complex protects the interleukin-6 mRNA from degradation by distinct herpesviral endonucleases. *PLoS Pathog.* 2015;11(5):e1004899. (WB)
28. Rahman ZS, Niu H, Perry D, Wakeland E, Manser T, Morel L. Expression of the autoimmune Fcgr2b NZW allele fails to be upregulated in germinal center B cells and is associated with increased IgG production. *Genes Immun.* 2007;8:604-12. (ELISPOT)

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