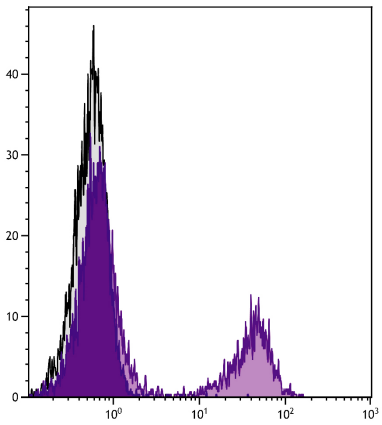
SouthernBiotech

Goat Anti-Hamster IgG(H+L), Mouse/Rat ads

Cat. No.	Format	Size
6061-01	Purified (UNLB)	1.0 mg
6061-02	Fluorescein (FITC)	1.0 mg
6061-04	Alkaline Phosphatase (AP)	1.0 mL
6061-05	Horseradish Peroxidase (HRP)	1.0 mL
6061-08	Biotin (BIOT)	1.0 mg
6061-09	R-phycoerythrin (PE)	0.5 mg
6061-11	Allophycocyanin (APC)	0.5 mg
6061-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.25 mg



BALB/c mouse splenocytes were stained with Hamster Anti-Mouse CD3ε-UNLB (SB Cat. No. 1531-01) followed by Goat Anti-Hamster IgG(H+L), Mouse/Rat ads-PE (SB Cat. No. 6061-09).

Description

Specificity	Reacts with the heavy and light chains of hamster IgG; may only react with Syrian hamster IgG
Source	Pooled antisera from goats hyperimmunized with hamster IgG
Cross Adsorption	Mouse and rat immunoglobulins and pooled sera; may react with immunoglobulins from other species and the light chains of other hamster immunoglobulins
Purification	Affinity chromatography on hamster IgG covalently linked to agarose

Applications

Quality tested applications include –
- ELISA [1-5]
- FLISA
- FC [6-13]

Other referenced applications include –
- IHC-FS [10,14-16]
- IHC-PS [17]
- WB [4,18-20]

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 conjugate	1:200 – 1:400
	PE conjugate	≤ 1 µg/mL
Flow Cytometry	FITC conjugate	≤ 1 µg/10^6
	PE, APC, and PE/CY7 conjugates	≤ 0.1 µg/10^6
	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.

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

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) conjugate is supplied as 1.0 mg in 1.0 mL of PBS/NaN_3. 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 $MgCl_2$/50% glycerol, pH 8.0, containing NaN_3 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/NaN_3. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 0.5 mg in 1.0 mL of PBS/NaN_3 and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The R-phycoerythrin-Cyanine 7 (PE/CY7) conjugate is supplied as 0.25 mg in 1.0 mL of PBS/NaN_3 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. Shimizu T, Sano C, Tomioka H. The role of B7 molecules in the cell contact-mediated suppression of T cell mitogenesis by immunosuppressive macrophages induced with mycobacterial infection. Clin Exp Immunol. 2004;135:373-9. (ELISA)
2. Greer CE, Zhou F, Legg HS, Tang Z, Perri S, Sloan BA, et al. A chimeric alphavirus RNA replicon gene-based vaccine for human parainfluenza virus type 3 induces protective immunity against intranasal virus challenge. Vaccine. 2007;25:481-9. (ELISA)
3. Sonabend AM, Ulasov IV, Han Y, Rolle CE, Nandi S, Cao D, et al. Biodistribution of an oncolytic adenovirus after intracranial injection in permissive animals: a comparative study of Syrian hamsters and cotton rats. Cancer Gene Ther. 2009;16:362-72. (ELISA)
4. Martín-Martín I, Molina R, Jiménez M. An insight into the Phlebotomus perniciosus saliva by a proteomic approach. Acta Trop. 2012;123:22-30. (ELISA, WB)
5. Anosova NG, Brown AM, Li L, Liu N, Cole LE, Zhang J, et al. Systemic antibody responses induced by a two-component Clostridium difficile toxoid vaccine protect against C. difficile-associated disease in hamsters. J Med Microbiol. 2013;62:1394-404. (ELISA)
6. Razi-Wolf Z, Freeman GJ, Galvin F, Benacerraf B, Nadler L, Reiser H. Expression and function of the murine B7 antigen, the major costimulatory molecule expressed by peritoneal exudate cells. Proc Natl Acad Sci USA. 1992;89:4210-4. (FC)
7. Belani R, Weiner GJ. Expression of both B7-1 and CD28 contributes to the IL-2 responsiveness of CTLL-2 cells. Immunology. 1996;87:271-4. (FC)
8. Winzler C, Rovere P, Rescigno M, Granucci F, Penna G, Adorini L, et al. Maturation stages of mouse dendritic cells in growth factor-dependent long-term cultures. J Exp Med. 1997;185:317-28. (FC)
9. Yagi J, Dianzani U, Kato H, Okamoto T, Katsurada T, Buonfiglio D, et al. Identification of a new type of invariant $V\alpha14^+$ T cells and responsiveness to a superantigen, Yersinia pseudotuberculosis-derived mitogen. J Immunol. 1999;163:3083-91. (FC)
10. Berney C, Herren S, Power CA, Gordon S, Martinez-Pomares L, Kosco-Vilbois MH. A member of the dendritic cell family that enters B cell follicles and stimulates primary antibody responses identified by a mannose receptor fusion protein. J Exp Med. 1999;190:851-60. (FC, IHC-FS)
11. Denda-Nagai K, Kubota N, Tsuiji M, Kamata M, Irimura T. Macrophage C-type lectin on bone marrow-derived immature dendritic cells is involved in the internalization of glycosylated antigens. Glycobiology. 2002;12:443-50. (FC)
12. Ohta R, Kondor N, Dohi N, Tomlinson S, Imai M, Holers VM, et al. Mouse complement receptor-related gene y/p65-neutralized tumor vaccine induces antitumor activity in vivo. J Immunol. 2004;173:205-13. (FC)
13. Pinon P, Pärssinen J, Vazquez P, Bachmann M, Rahikainen R, Jacquier M, et al. Talin-bound NPLY motif recruits integrin-signaling adapters to regulate cell spreading and mechanosensing. J Cell Biol. 2014;205:265-81. (FC)
14. Vestergaard C, Yoneyama H, Murai M, Nakamura K, Tamaki K, Terashima Y, et al. Overproduction of Th2-specific chemokines in NC/Nga mice exhibiting atopic dermatitis-like lesions. J Clin Invest. 1999;104:1097-105. (IHC-FS)
15. Chun K, Imai Y, Higashi N, Irimura T. Involvement of cytokines in the skin-to-lymph node trafficking of cells of the monocyte-macrophage lineage expressing a C-type lectin. Int Immunol. 2000;12:1695-703. (IHC-FS)
16. Kawasaki S, Takizawa H, Yoneyama H, Nakayama T, Fujisawa R, Izumizaki M, et al. Intervention of thymus and activation-regulated chemokine attenuates the development of allergic airway inflammation and hyperresponsiveness in mice. J Immunol. 2001;166:2055-62. (IHC-FS)
17. Huang SS, Liu I, Smith T, Shah MR, Johnson FE, Huang JS. CRSBP-1/LYVE-l-null mice exhibit identifiable morphological and functional alterations of lymphatic capillary vessels. FEBS Lett. 2006;580:6259-68. (IHC-PS)
18. Gao YH, Wang P, Takagi K, Shimozato O, Yagita H, Okigaki T, et al. Expression of a soluble form of CTLA4 on macrophage and its biological activity. Cell Res. 1999;9:189-99. (WB)
19. Müller-Röver S, Rossiter H, Paus R, Handjiski B, Peters EM, Murphy J, et al. Overexpression of Bcl-2 protects from ultraviolet B-induced apoptosis but promotes hair follicle regression and chemotherapy-induced alopecia. Am J Pathol. 2000;156:1395-405. (WB)
20. Martín-Martín I, Molina R, Jiménez M. Molecular and immunogenic properties of apyrase SP01B and D7-related SP04 recombinant salivary proteins of Phlebotomus perniciosus from Madrid, Spain. Biomed Res Int. 2013;2013:526069. (WB)

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