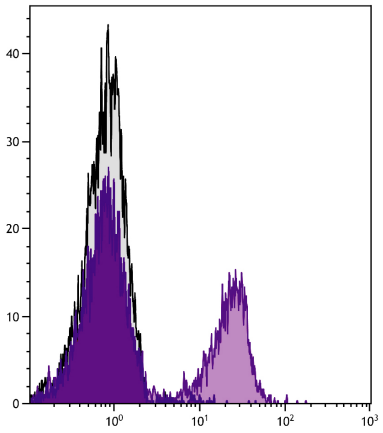
SouthernBiotech

Hamster IgG Isotype Control

Cat. No.	Format	Size
0121-01	Purified (UNLB)	5.0 mg
0121-02	Fluorescein (FITC)	0.5 mg
0121-08	Biotin (BIOT)	0.5 mg
0121-09	R-phycoerythrin (PE)	0.1 mg
0121-11	Allophycocyanin (APC)	0.1 mg
0121-13	Spectral Red® (SPRD)	0.1 mg
0121-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
0121-15	Cyanine 5 (CY5)	0.5 mg
0121-16	R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)	0.1 mg
0121-17	R-phycoerythrin-Cyanine 7 (PE/CY7)	0.1 mg
0121-18	Allophycocyanin-Cyanine 5.5 (APC/CY5.5)	0.1 mg
0121-26	Pacific Blue™ (PACBLU)	0.1 mg
0121-27	Alexa Fluor® 700 (AF700)	0.1 mg
0121-30	Alexa Fluor® 488 (AF488)	0.1 mg
0121-31	Alexa Fluor® 647 (AF647)	0.1 mg



BALB/c mouse splenocytes were stained with Hamster IgG-APC (SB Cat. No. 0121-11; gray) and Hamster Anti-Mouse CD3ε-APC (SB Cat. No. 1530-11).

Description

Isotype Hamster IgG

Source Normal Syrian hamster serum

Applications

Quality tested applications include –

FC [1-3]
ELISA
FLISA

Other referenced applications include –

In vivo control [4]

Working Dilutions

Flow Cytometry	FITC, BIOT, PACBLU, and AF488 conjugates	≤ 1 μg/10^6 cells
	PE, APC, SPRD, CY5, PE/CY5.5, PE/CY7, APC/CY5.5, AF647, and AF700 conjugates	≤ 0.2 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.

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) IgG is supplied as 5.0 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_3. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN_3. 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_3 and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red® (SPRD), R-phycoerythrin-Cyanine 5.5 (PE/CY5.5), R-phycoerythrin-Cyanine 7 (PE/CY7), and allophycocyanin-Cyanine 5.5 (APC/CY5.5) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN_3 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 0.5 mg in 1.0 mL of PBS/NaN_3. Store at 2-8°C.
- The Alexa Fluor® 488 (AF488), Alexa Fluor® 647 (AF647), Alexa Fluor® 700 (AF700), and Pacific Blue™ (PACBLU) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN_3. 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. Abernethy NJ, Hagan C, Tan PL, Watson JD. Dysregulated expression of CD69 and IL-2 receptor α and β chains on $CD8^+$ T lymphocytes in flaky skin mice. Immunol Cell Biol. 2000;78:596-602. (FC)
2. Laronne-Bar-On A, Zipori D, Haran-Ghera N. Increased regulatory versus effector T cell development is associated with thymus atrophy in mouse models of multiple myeloma. J Immunol. 2008;181:3714-24. (FC)
3. Wang D, Zhou R, Yao Y, Zhu X, Yin Y, Zhao G, et al. Stimulation of α7 nicotinic acetylcholine receptor by nicotine increases suppressive capacity of naturally occurring $CD4^+CD25^+$ regulatory T cells in mice in vitro. J Pharmacol Exp Ther. 2010;335:553-61. (FC)
4. Christen U, McGavern DB, Luster AD, von Herrath MG, Oldstone MB. Among CXCR3 chemokines, IFN-γ-inducible protein of 10 kDa (CXC chemokine ligand (CXCL) 10) but not monokine induced by IFN-γ (CXCL9) imprints a pattern for the subsequent development of autoimmune disease. J Immunol. 2003;171:6838-45. (*In vivo* control)

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