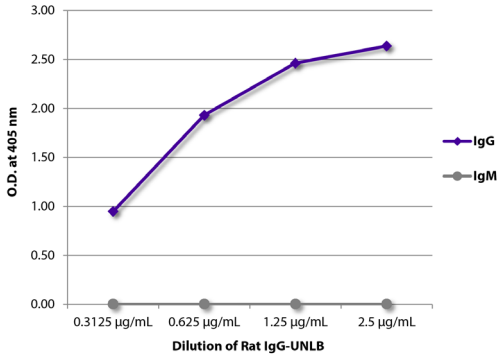
SouthernBiotech

Rat IgG Isotype Control

Cat. No.	Format	Size
0108-01	Purified (UNLB)	10 mg
0108-02	Fluorescein (FITC)	0.5 mg
0108-09	R-phycoerythrin (PE)	0.1 mg
0108-11	Allophycocyanin (APC)	0.1 mg
0108-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



ELISA plate was coated with serially diluted Rat IgG-UNLB (SB Cat. No. 0108-01). Immunoglobulin was detected with Goat Anti-Rat IgG-BIOT (SB Cat. No. 3030-08) and Mouse Anti-Rat IgM-BIOT (SB Cat. No. 3080-08) followed by Streptavidin-HRP (SB Cat No. 7100-05) and quantified.

Description

Isotype Rat IgG
Source Normal rat serum

Applications

Quality tested applications include –
FC [3-9,16]
ELISA [1,2]
FLISA

Other referenced applications include –
IHC-PS [10,17]
IHC-FS [18]
ICC [11,19]
Block [12]
In vivo control [13-15,20,21]

Working Dilutions

Flow Cytometry	FITC conjugate	≤ 1 µg/10^6 cells
	PE and APC 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.

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Handling and Storage

- The purified (UNLB) IgG is supplied as 10 mg of purified immunoglobulin in 2.0 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 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 low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- 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

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4. Mierke CT, Ballmaier M, Werner U, Manns MP, Welte K, Bischoff SC. Human endothelial cells regulate survival and proliferation of human mast cells. J Exp Med. 2000;192:801-11. (FC)
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12. Pepin AC, Tandon R, Cattori V, Niederer E, Riond B, Willi B, et al. Cellular segregation of feline leukemia provirus and viral RNA in leukocyte subsets of long-term experimentally infected cats. Virus Res. 2007;127:9-16. (Block)
13. Broudy VC, Lin NL, Priestley GV, Nocka K, Wolf NS. Interaction of stem cell factor and its receptor c-kit mediates lodgment and acute expansion of hematopoietic cells in the murine spleen. Blood. 1996;88:75-81. (*In vivo* control)
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15. Ma Y, Zhang X, Bao H, Mi S, Cai W, Yan H, et al. Toll-like receptor (TLR) 2 and TLR4 differentially regulate doxorubicin induced cardiomyopathy in mice. PloS One. 2012;7(7):e40763. (*In vivo* control)
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