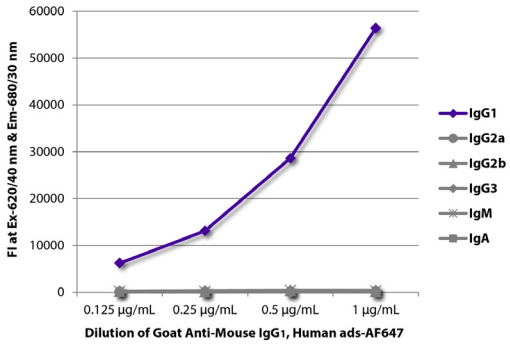
SouthernBiotech

Goat Anti-Mouse IgG_1, Human ads

Cat. No.	Format	Size
1070-01	Purified (UNLB)	1.0 mg
1070-02	Fluorescein (FITC)	1.0 mg
1070-03	Rhodamine (TRITC)	1.0 mg
1070-04	Alkaline Phosphatase (AP)	1.0 mL
1070-05	Horseradish Peroxidase (HRP)	1.0 mL
1070-07	Texas Red® (TXRD)	1.0 mg
1070-08	Biotin (BIOT)	1.0 mg
1070-09	R-phycoerythrin (PE)	0.5 mg
1070-09S	R-phycoerythrin (PE)	0.25 mg
1070-11L	Allophycocyanin (APC)	0.5 mg
1070-11S	Allophycocyanin (APC)	0.25 mg
1070-15	Cyanine 5 (CY5)	1.0 mg
1070-19	Allophycocyanin-Cyanine 7 (APC/CY7)	0.25 mg
1070-30	Alexa Fluor® 488 (AF488)	1.0 mg
1070-31	Alexa Fluor® 647 (AF647)	1.0 mg
1070-32	Alexa Fluor® 555 (AF555)	1.0 mg



FLISA plate was coated with purified mouse IgG_1, IgG_{2a}, IgG_{2b}, IgG_3, IgM, and IgA. Immunoglobulins were detected with serially diluted Goat Anti-Mouse IgG_1, Human ads-AF647 (SB Cat. No. 1070-31).

Description

Specificity	Reacts with the heavy chain of mouse IgG_1
Source	Pooled antisera from goats hyperimmunized with mouse IgG_1
Cross Adsorption	Mouse IgG_{2a}, IgG_{2b}, IgG_3, IgM, and IgA; human immunoglobulins and pooled sera; may react with immunoglobulins from other species
Purification	Affinity chromatography on mouse IgG_1 covalently linked to agarose

Applications

Quality tested applications include –

ELISA [1-8]
FLISA
FC [6,9-15]

Other referenced applications include –

ELISPOT [4,6,7]
IHC-FS [3,9,16,17]
IHC-PS [1,16,18,19]
IHC-WM [25]
ICC [14,20,21]
EM [17]
WB [2,5,13,22,23]
Multiplex [26]
SPR [24]

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, APC/CY7, 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.	

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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/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 or 0.25 mg in 0.5 mL of PBS/NaN_3 and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The allophycocyanin-Cyanine 7 (APC/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

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