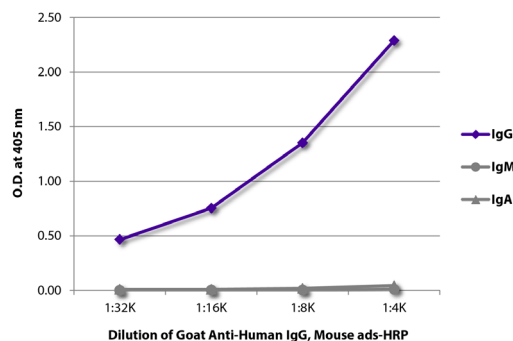




Goat Anti-Human IgG, Mouse ads

Cat. No.	Format	Size
2044-01	Purified (UNLB)	1.0 mg
2044-02	Fluorescein (FITC)	1.0 mg
2044-04	Alkaline Phosphatase (AP)	1.0 mL
2044-05	Horseradish Peroxidase (HRP)	1.0 mL
2044-08	Biotin (BIOT)	1.0 mg
2044-09	R-phycoerythrin (PE)	0.5 mg
2044-30	Alexa Fluor® 488 (AF488)	1.0 mg
2044-31	Alexa Fluor® 647 (AF647)	1.0 mg
2044-32	Alexa Fluor® 555 (AF555)	1.0 mg



ELISA plate was coated with purified human IgG, IgM, and IgA. Immunoglobulins were detected with serially diluted Goat Anti-Human IgG, Mouse ads-HRP (SB Cat. No. 2044-05).

Description

Specificity	Reacts with the heavy chain of human IgG
Source	Pooled antisera from goats hyperimmunized with human IgG
Cross Adsorption	Human IgM and IgA; mouse immunoglobulins and pooled sera; may react with IgG from other species
Purification	Affinity chromatography on human IgG covalently linked to agarose

Applications

Quality tested applications include –

- ELISA ¹
- FLISA
- FC

Working Dilutions

ELISA	Purified (UNLB) antibody	≤ 1 µg/mL
	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, AF488, and AF555 conjugates	1:100 – 1:400
	PE and AF647 conjugate	≤ 1 µg/mL
Flow Cytometry	Purified (UNLB) antibody	≤ 1 µg/10 ⁶ cells
	FITC, BIOT, and AF488 conjugates	≤ 1 µg/10 ⁶ cells
	PE and AF647 conjugate	≤ 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), 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) conjugate is supplied as 0.5 mg in 1.0 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. Caven TH, Sturgill JL, Conrad DH. BCR ligation antagonizes the IL-21 enhancement of anti-CD40/IL-4 plasma cell differentiation and IgE production found in low density human B cell cultures. *Cell Immunol.* 2007;247:49-58. (ELISA)

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