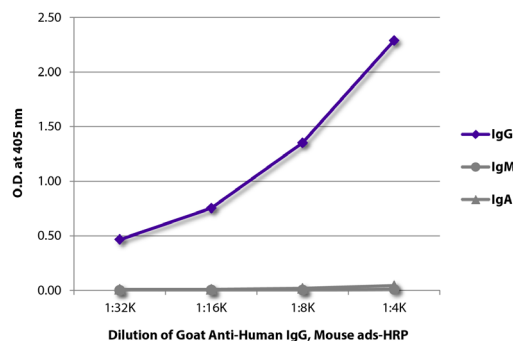




## Goat Anti-Human IgG, Mouse ads

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
2044-30	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

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

### Applications

Quality tested applications include –

- ELISA <sup>1</sup>
- FLISA
- FC

### Working Dilutions

<b>ELISA</b>	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
<b>FLISA</b>	FITC, AF488, and AF555 conjugates	1:100 – 1:400
	AF647 conjugate	≤ 1 µg/mL
<b>Flow Cytometry</b>	Purified (UNLB) antibody	≤ 1 µg/10 <sup>6</sup> cells
	FITC, BIOT, and AF488 conjugates	≤ 1 µg/10 <sup>6</sup> cells
	AF647 conjugate	≤ 0.1 µg/10 <sup>6</sup> cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	
<b>Other Applications</b>	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.**

## Handling and Storage

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- 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/NaN<sub>3</sub>. 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<sub>2</sub>/50% glycerol, pH 8.0, containing NaN<sub>3</sub> 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<sub>3</sub>. 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

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Some reagents contain sodium azide. Please refer to product specific SDS.

## References

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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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