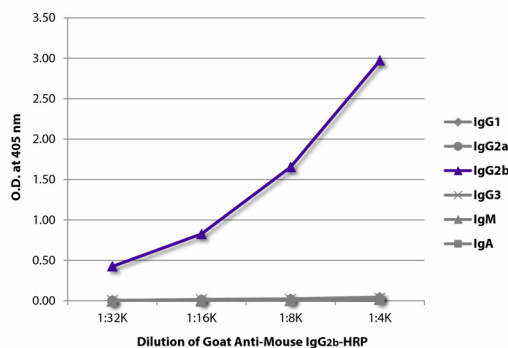




## Goat Anti-Mouse IgG<sub>2b</sub>

Cat. No.	Format	Size
1091-01	Purified (UNLB)	1.0 mg
1091-02	Fluorescein (FITC)	1.0 mg
1091-04	Alkaline Phosphatase (AP)	1.0 mL
1091-05	Horseradish Peroxidase (HRP)	1.0 mL
1091-08	Biotin (BIOT)	1.0 mg
1091-30	Alexa Fluor <sup>®</sup> 488 (AF488)	1.0 mg
1091-31	Alexa Fluor <sup>®</sup> 647 (AF647)	1.0 mg
1091-32	Alexa Fluor <sup>®</sup> 555 (AF555)	1.0 mg



ELISA plate was coated with purified mouse IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>3</sub>, IgM, and IgA. Immunoglobulins were detected with serially diluted Goat Anti-Mouse IgG<sub>2b</sub>-HRP (SB Cat. No. 1091-05).

## Description

<b>Specificity</b>	Reacts with the heavy chain of mouse IgG <sub>2b</sub>
<b>Source</b>	Pooled antisera from goats hyperimmunized with mouse IgG <sub>2b</sub>
<b>Cross Adsorption</b>	Mouse IgG <sub>1</sub> , IgG <sub>2a</sub> , IgG <sub>3</sub> , IgM, and IgA; may react with immunoglobulins from other species
<b>Purification</b>	Affinity chromatography on mouse IgG <sub>2b</sub> covalently linked to agarose

## Applications

Quality tested applications include –

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

## 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

**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

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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) conjugate is 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 of stock solution in 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 of stock solution in 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.
- The Alexa Fluor<sup>®</sup> 488 (AF488), Alexa Fluor<sup>®</sup> 555 (AF555), and Alexa Fluor<sup>®</sup> 647 (AF647) conjugates are supplied as 1.0 mg in 1.0 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 (M)SDS.

## References

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1. Silva-Sanchez A, Liu CR, Vale AM, Khass M, Kapoor P, Elgavish A, et al. Violation of an evolutionarily conserved immunoglobulin diversity gene sequence preference promotes production of dsDNA-specific IgG antibodies. *PLoS One*. 2015;10(2):e0118171. (ELISA)

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