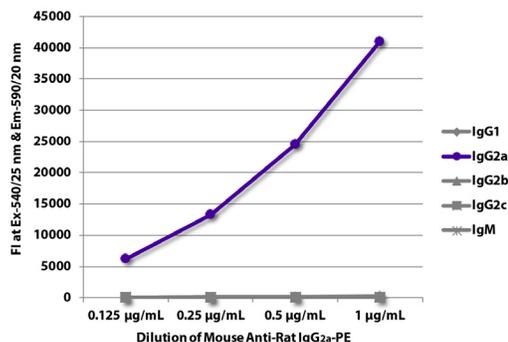




## Mouse Anti-Rat IgG<sub>2a</sub>

Cat. No.	Format	Size
3065-01	Purified (UNLB)	0.5 mg
3065-02	Fluorescein (FITC)	0.5 mg
3065-04	Alkaline Phosphatase (AP)	1.0 mL
3065-05	Horseradish Peroxidase (HRP)	1.0 mL
3065-08	Biotin (BIOT)	0.5 mg
3065-09	R-phycoerythrin (PE)	0.1 mg
3065-15	Cyanine 5 (CY5)	0.1 mg
3065-30	Alexa Fluor <sup>®</sup> 488 (AF488)	0.1 mg
3065-31	Alexa Fluor <sup>®</sup> 647 (AF647)	0.1 mg
3065-32	Alexa Fluor <sup>®</sup> 555 (AF555)	0.1 mg



FLISA plate was coated with purified rat IgG<sub>1</sub>, IgG<sub>2a</sub>, IgG<sub>2b</sub>, IgG<sub>2c</sub>, and IgM. Immunoglobulins were detected with serially diluted Mouse Anti-Rat IgG<sub>2a</sub>-PE (SB Cat. No. 3065-09).

### Overview

<b>Clone</b>	2A8F4
<b>Isotype</b>	Mouse (BALB/c) IgG <sub>1κ</sub>
<b>Immunogen</b>	Rat IgG <sub>2a</sub> hybridoma
<b>Specificity</b>	Rat IgG <sub>2a</sub>

### Applications

FC – Quality tested <sup>1-5</sup>  
 ELISA – Quality tested <sup>6</sup>  
 FLISA – Quality tested  
 IHC-FS – Reported in literature <sup>7</sup>  
 ELISPOT – Reported in literature <sup>8</sup>

### Working Dilutions

<b>Flow Cytometry</b>	FITC, BIOT, and AF488 conjugates	≤ 1 µg/10 <sup>6</sup> cells
	PE, CY5, and AF647 conjugates	≤ 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>ELISA</b>	AP conjugate	1:2,000 – 1:4,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:10,000
<b>FLISA</b>	FITC and AF488 conjugates	1:200 – 1:400
	AF555 conjugate	1:100 – 1:400
	PE, CY5, and AF647 conjugates	≤ 1 µg/mL
<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 0.5 mg of 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 0.5 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 0.5 mg in 1.0 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN<sub>3</sub> and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Alexa Fluor<sup>®</sup> 488 (AF488), Alexa Fluor<sup>®</sup> 647 (AF647), and Alexa Fluor<sup>®</sup> 555 (AF555) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN<sub>3</sub>. Store at 2-8°C.
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 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 SDS.

## References

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8. Sharkar MT, Jou M, Hossain MB, Lönnerdal B, Stephensen CB, Raqib R. Prenatal zinc supplementation of zinc-adequate rats adversely affects immunity in offspring. *J Nutr.* 2011;141:1559-64. (ELISPOT)

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