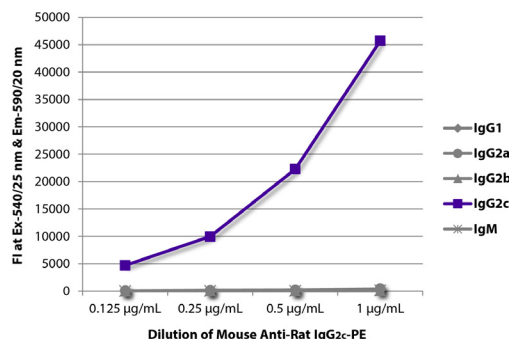




Mouse Anti-Rat IgG_{2c}

Cat. No.	Format	Size
3075-01	Purified (UNLB)	0.5 mg
3075-02	Fluorescein (FITC)	0.5 mg
3075-04	Alkaline Phosphatase (AP)	1.0 mL
3075-05	Horseradish Peroxidase (HRP)	1.0 mL
3075-08	Biotin (BIOT)	0.5 mg
3075-09	R-phycoerythrin (PE)	0.1 mg
3075-15	Cyanine 5 (CY5)	0.1 mg



FLISA plate was coated with purified rat IgG₁, IgG_{2a}, IgG_{2b}, IgG_{2c}, and IgM. Immunoglobulins were detected with serially diluted Mouse Anti-Rat IgG_{2c}-PE (SB Cat. No. 3075-09).

Overview

Clone	2C8F1
Isotype	Mouse (BALB/c) IgG _{2a} K
Immunogen	Rat IgG _{2c} hybridoma
Specificity	Rat IgG _{2c}

Applications

FC – Quality tested ¹⁻⁵
 ELISA – Quality tested ⁶
 FLISA – Quality tested
 IHC-FS – Reported in literature ^{1,2}

Working Dilutions

Flow Cytometry	FITC and BIOT conjugates	≤ 1 µg/10 ⁶ cells
	PE and CY5 conjugates	≤ 0.1 µg/10 ⁶ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 µL	
ELISA	AP conjugate	1:1,000 – 1:2,000
	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:10,000
FLISA	FITC conjugate	1:200 – 1:400
	PE and CY5 conjugates	≤ 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.

Handling and Storage

- 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/NaN₃. 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 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 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 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Cyanine 5 (CY5) conjugate is supplied as 0.1 mg in 1.0 mL of PBS/NaN₃. 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

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

References

1. Venanzi ES, Gray DH, Benoist C, Mathis D. Lymphotoxin pathway and Aire influences on thymic medullary epithelial cells are unconnected. *J Immunol.* 2007;179:5693-700. (FC, IHC-FS)
2. Gray D, Abramson J, Benoist C, Mathis D. Proliferative arrest and rapid turnover of thymic epithelial cells expressing Aire. *J Exp Med.* 2007;204:2521-8. (FC, IHC-FS)
3. Martin KR, Layton D, Seach N, Corlett A, Barallobre MJ, Arbonés ML, et al. Upregulation of RCAN1 causes Down syndrome-like immune dysfunction. *J Med Genet.* 2013;50:444-54. (FC)
4. Jenkinson SR, Williams JA, Jeon H, Zhang J, Nitta T, Ohigashi I, et al. TRAF3 enforces the requirement for T cell cross-talk in thymic medullary epithelial development. *Proc Natl Acad Sci USA.* 2013;110:21107-12. (FC)
5. Williams JA, Zhang J, Jeon H, Nitta T, Ohigashi I, Klug D, et al. Thymic medullary epithelium and thymocyte self-tolerance require cooperation between CD28-CD80/86 and CD40-CD40L costimulatory pathways. *J Immunol.* 2014;192:630-40. (FC)
6. Pastor M, Esquisabel A, Marquinez I, Talavera A, Pedraz JL. Cellulose acetate phthalate microparticles containing *Vibrio cholerae*: steps toward an oral cholera vaccine. *J Drug Target.* 2014;22:478-87. (ELISA)

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