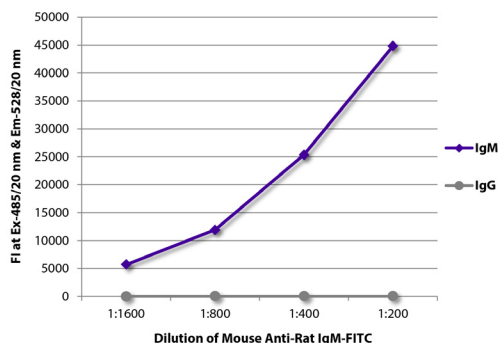




Mouse Anti-Rat IgM

Cat. No.	Format	Size
3080-01	Purified (UNLB)	0.5 mg
3080-02	Fluorescein (FITC)	0.5 mg
3080-05	Horseradish Peroxidase (HRP)	1.0 mL
3080-08	Biotin (BIOT)	0.5 mg
3080-09	R-phycoerythrin (PE)	0.1 mg
3080-15	Cyanine 5 (CY5)	0.1 mg
3080-30	Alexa Fluor [®] 488 (AF488)	0.1 mg
3080-31	Alexa Fluor [®] 647 (AF647)	0.1 mg
3080-32	Alexa Fluor [®] 555 (AF555)	0.1 mg



FLISA plate was coated with purified rat IgM and IgG. Immunoglobulins were detected with serially diluted Mouse Anti-Rat IgM-FITC (SB Cat. No. 3080-02).

Overview

Clone	M2A1
Isotype	Mouse (BALB/c) IgG _{1κ}
Immunogen	Rat IgM hybridoma
Specificity	Rat IgM

Applications

FC – Quality tested ¹
 ELISA – Quality tested ⁴
 FLISA – Quality tested
 IHC-FS – Reported in literature ²
 ICC – Reported in literature ³

Working Dilutions

Flow Cytometry	FITC, BIOT, and AF488 conjugates	≤ 1 μg/10 ⁶ cells
	PE, CY5, and AF647 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	HRP conjugate	1:4,000 – 1:8,000
	BIOT conjugate	1:5,000 – 1:10,000
FLISA	FITC, AF488, and AF555 conjugates	1:200 – 1:400
	PE, CY5, and AF647 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 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 Alexa Fluor[®] 488 (AF488), Alexa Fluor[®] 647 (AF647), and Alexa Fluor[®] 555 (AF555) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- 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. Cohen MA, Itsykson P, Reubinoff BE. The role of FGF-signaling in early neural specification of human embryonic stem cells. *Dev Biol.* 2010;340:450-8. (FC)
2. Wu Y, Sukumar S, El Shikh ME, Best AM, Szakal AK, Tew JG. Immune complex-bearing follicular dendritic cells deliver a late antigenic signal that promotes somatic hypermutation. *J Immunol.* 2008;180:281-90. (IHC-FS)
3. Turetsky T, Aizenman E, Gil Y, Weinberg N, Shufaro Y, Revel A, et al. Laser-assisted derivation of human embryonic stem cell lines from IVF embryos after preimplantation genetic diagnosis. *Hum Reprod.* 2008;23:46-53. (ICC)
4. Du F, Lü L, Fu Q, Dai M, Teng J, Fan W, et al. T-614, a novel immunomodulator, attenuates joint inflammation and articular damage in collagen-induced arthritis. *Arthritis Res Ther.* 2008;10:R136. (ELISA)

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