

Antibodies

Goat Anti-Rat IgM (Heavy Chain) Antibody, Polyclonal, APC

Goat polyclonal antibody against rat IgM (heavy chain), APC-conjugated

Catalog #60140AZ

250 µg



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Product Description

Allophycocyanin (APC)-conjugated goat anti-rat IgM, μ chain specific, F(ab')₂ fragment antibody reacts with the heavy chain of rat IgM but not with rat IgG. This information on reactivity was based on immunoelectrophoresis and/or ELISA data. This antibody has minimal cross-reactivity with human, cow, and horse serum proteins, but may cross-react with IgM from other species. The antibody was pepsin digested to obtain the F(ab')₂ fragment. Fc fragments and whole IgG molecules have been removed.

Target Antigen Name:	IgM (Heavy Chain), μ chain specific
Alternative Names:	Not applicable
Gene ID:	Not applicable
Species Reactivity:	Rat. Minimal cross-reactivity to human, cow, and horse serum proteins
Host Species:	Goat
Clonality:	Polyclonal
Clone:	Not applicable
Isotype:	Not applicable
Immunogen:	Not applicable
Conjugate:	APC (Allophycocyanin)

Applications

Verified:	FC
Reported:	FC, ICC, IF, IHC

Abbreviations: CellSep: Cell separation; ChIP: Chromatin immunoprecipitation; FA: Functional assay; FACS: Fluorescence-activated cell sorting; FC: Flow cytometry; ICC: Immunocytochemistry; IF: Immunofluorescence microscopy; IHC: Immunohistochemistry; IP: Immunoprecipitation; RIA: Radioimmunoassay; WB: Western blotting

Properties

Formulation:	Lyophilized from a solution containing sodium phosphate, sodium chloride, bovine serum albumin, and sodium azide
Purification:	The antibody was prepared by a combination of pepsin digestion and antigen affinity chromatography. The preparation is free of Fc fragments and whole IgG molecules.
Stability and Storage:	Product stable at 2 - 8°C when stored undiluted. Do not freeze. For product expiry date, please contact techsupport@stemcell.com .
Directions for Use:	Centrifuge vial before opening. Resuspend the product in 0.5 mL deionized water; this is the stock dilution. Centrifuge if solution is not clear. Prepare working dilution fresh each day. NOTE: Once resuspended, store stock dilution at 2 - 8°C and use within 6 months. Do not freeze. For flow cytometry, the suggested concentration of this antibody is a 1:100 dilution. It is recommended that the antibody be titrated for optimal performance for each application.

Related Products

For a complete list of antibodies, including other conjugates, sizes and clones, as well as related products available from STEMCELL Technologies, please visit our website at www.stemcell.com/antibodies or contact us at techsupport@stemcell.com.

References

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2. Barbaric I et al. (2011) High-content screening for chemical modulators of embryonal carcinoma cell differentiation and survival. *J Biomol Screen* 16(6): 603–17. (ICC, IF)
3. Lawson BR et al. (2007) Immunomodulation of murine collagen-induced arthritis by N, N-dimethylglycine and a preparation of *Perna canaliculus*. *BMC Complement Altern Med* 7(1): 20. (FA)
4. Haspot F et al. (2005) Anti-CD28 antibody-induced kidney allograft tolerance related to tryptophan degradation and TCR- class II- B7+ regulatory cells. *Am J Transplant* 5(10): 2339–48. (IF, IHC)
5. Johansson-Lindbom B et al. (2003) Selective generation of gut tropic T cells in gut-associated lymphoid tissue (GALT): Requirement for GALT dendritic cells and adjuvant. *J Exp Med* 198(6): 963–9. (FC)

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