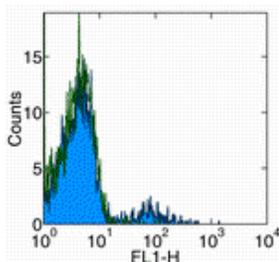


Anti-Human IgM Purified

Catalog Number: 14-9998

For Research Use Only. Not for use in diagnostic procedures.



Staining of prelysed normal human peripheral blood cells with Anti-Human IgM Purified followed by Anti-Mouse IgG FITC. Appropriate isotype controls were used (open histogram). Cells in the lymphocyte population were used for analysis.

Product Information

Contents: Anti-Human IgM Purified

REF **Catalog Number:** 14-9998

Clone: SA-DA4

Concentration: 0.5 mg/mL

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Contains sodium azide

Description

The SA-DA4 monoclonal antibody reacts with the mu heavy chain of human IgM. It does not react with other classes of human immunoglobulin including IgD, IgG, or IgA. IgM is expressed intracellularly, during early stages of B lymphopoiesis, and then on the surface of mature B cells.

Our testing has revealed variations in staining of the non-B cell population that is predicted to be non-specific. This variation can be attributed to both donor variability and the anticoagulant used during blood draw. Therefore, we recommend using sodium citrate as the anticoagulant to minimize non-specific staining by this antibody.

Applications Reported

The SA-DA4 antibody has been reported for use in flow cytometric analysis, immunohistochemical staining of frozen tissue sections, and ELISA. It has also been reported for use in affinity purification of human IgM.

Applications Tested

The SA-DA4 antibody has been tested by flow cytometric analysis of human peripheral blood leukocytes. This can be used at less than or equal to 1 µg per test. A test is defined as the amount (µg)/test of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10⁵ to 10⁸ cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Szyszk EA, Brun JG, Skarstein K, Peck AB, Jonsson R, Brokstad KA. Phenotypic diversity of peripheral blood plasma cells in primary Sjögren's syndrome. *Scand J Immunol.* 2011 Jan;73(1):18-28. (**SA-DA4**, FC)

Pack M, Trumpfheller C, Thomas D, Park CG, Granelli-Piperno A, Münz C, Steinman RM. DEC-205/CD205+ dendritic cells are abundant in the white pulp of the human spleen, including the border region between the red and white pulp. *Immunology.* 2008 Mar;123(3):438-46. (**SA-DA4**, IHC-fr)

Related Products

11-4011 Anti-Mouse IgG FITC

14-4714 Mouse IgG1 K Isotype Control Purified (P3.6.2.8.1)

