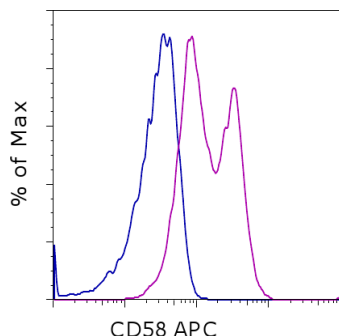


Anti-Human CD58 (LFA-3) APC

Catalog Number: 17-0578

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



Staining of normal human peripheral blood cells with Mouse IgG1 kappa Isotype Control APC (cat. 17-4714) (blue histogram) or Anti-Human CD58 (LFA-3) APC (purple histogram). Cells in the lymphocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD58 (LFA-3) APC
Catalog Number: 17-0578
Clone: TS2/9
Concentration: 5 μ L (0.5 μ g)/test
Host/Isotype: Mouse IgG1



LOT



Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer
Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.
Batch Code: Refer to vial
Use By: Refer to vial

Description

The TS2/9 antibody recognizes human CD58, which is also known as Lymphocyte Associated Antigen-3 (LFA-3). CD58 exists both as a transmembrane protein as well as a GPI-linked extracellular protein. It has been shown that cells can express both forms concurrently. In addition, soluble CD58 has also been observed in serum, urine and synovial fluid of rheumatoid arthritis patients. CD58 is found on non-hematopoietic and most hematopoietic cells. Binding to its ligand CD2, which is present on T cells, initiates a signaling pathway which includes phosphorylation and results in release of cytokines. CD58 has been shown to be important in adhesion to various cell types, T cell activation, cytokine production and cytotoxicity. The TS2/9 antibody has been reported to induce signaling events upon crosslinking. The epitope is in domain 1 of the immunoglobulin region.

Applications Reported

This TS2/9 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This TS2/9 antibody has been pre-titrated and tested by flow cytometric analysis of normal peripheral blood cells. This can be used at 5 μ L (0.5 μ g) per test. A test is defined as the amount (μ g) of antibody that will stain a cell sample in a final volume of 100 μ L. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

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switching and IgE production distinct from CD40. J. Immunol. 1994;153:10-20. (TS/9, FA, PubMed)

Hahn WC, Burakoff SJ, Bierer BE. Signal Transduction Pathways involved in T-cell receptor-induced regulation of CD2 avidity for CD58. J. Immunol. 1993;150:2607-2619. (TS/9, FC, PubMed)

Le PT, Vollger LW, Haynes BF, Singer KH. Ligand binding to the LFA-3 cell adhesion molecule induces IL-1 production by human thymic epithelial cells. J. Immunol. 1990;144:4541-4547. (TS/9, mAb characterization, PubMed)

Sanchez-Madrid F, Krensky AM, Ware CF, Robbins E, Strominger JL, Burakoff SJ, Springer TA. Three distinct antigens associated with human T-lymphocyte-mediated cytolysis: LFA-1, LFA-2, and LFA-3. Proc. Natl. Acad. Sci USA. December 1982;79:7489-7493.

Related Products

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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