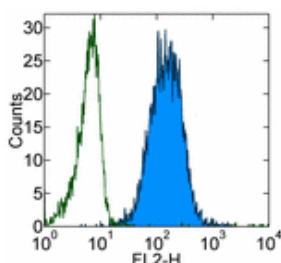


Anti-Human CD102 (ICAM-2) Purified

Catalog Number: 14-1029

Also Known As: ICAM2

RUO: For Research Use Only



Staining of normal human peripheral blood cells with 0.06 µg of Mouse IgG2a κ Isotype Control Purified (cat. 14-4724) (open histogram) or 0.06 µg of Anti-Human CD102 (ICAM-2) Purified (filled histogram) followed by F(ab')₂ Anti-Mouse IgG PE (cat. 12-4012). Cells in the monocyte gate were used for analysis.

Product Information

Contents: Anti-Human CD102 (ICAM-2) Purified

 Catalog Number: 14-1029

Clone: CBRIC2/2

Concentration: 0.5 mg/ml

Host/Isotype: Mouse IgG2a

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



Caution, contains Azide

Description

The CBRIC2/2 monoclonal antibody reacts with human ICAM-2 (CD102). ICAM-2 is a 55-65 kD transmembrane glycoprotein possessing 2 extracellular Ig domains, a single transmembrane domain, and a short 26-amino acid cytoplasmic domain. ICAM-2 is expressed on most leukocytes, and is strongly expressed on vascular endothelial cells. ICAM-2 is a ligand of integrin CD11a/CD18 (LFA-1), and also has been reported to bind integrin CD11b/CD18 (Mac-1). ICAM-2 is an intercellular adhesion molecule involved in lymphocyte homing to sites of inflammation. The CBRIC2/2 antibody has been reported to have blocking activity.

Applications Reported

This CBRIC2/2 antibody has been reported for use in flow cytometric analysis, immunoblotting, immunoprecipitation, immunohistochemical staining, and functional assays.

Applications Tested

This CBRIC2/2 antibody has been tested by flow cytometric analysis of human peripheral blood cells. This can be used at less than or equal to 0.125 µg per test. A test is defined as the amount (µg) 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. The CBRIC2/2 antibody has also been found useful for immunoblotting of a human peripheral blood cell lysate, recognizing a protein of approximately 55 kD under non-reducing conditions. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

de Fougerolles AR, Stacker SA, Schwarting R, Springer TA. Characterization of ICAM-2 and evidence for a third counter-receptor for LFA-1. *J Exp Med.* 1991 Jul 1;174(1):253-67. (CBRIC2/2, FC, IP, FA, PubMed)

Diacovo TG, deFougerolles AR, Bainton DF, Springer TA. A functional integrin ligand on the surface of platelets: intercellular adhesion molecule-2. *J Clin Invest.* 1994 Sep;94(3):1243-51. (CBRIC2/2, FC, IP, FA, PubMed)

Butini L, De Fougerolles AR, Vaccarezza M, Graziosi C, Cohen DI, Montroni M, Springer TA, Pantaleo G, Fauci AS. Intercellular adhesion molecules (ICAM)-1 ICAM-2 and ICAM-3 function as counter-receptors for lymphocyte function-associated molecule 1 in human immunodeficiency virus-mediated syncytia formation. *Eur J Immunol.* 1994 Sep;24(9):2191-5. (CBRIC2/2, FA, PubMed)

Related Products

11-4011 Anti-Mouse IgG FITC

11-4317 Streptavidin FITC

12-4317 Streptavidin PE

13-4013 Anti-Mouse IgG Biotin (Polyclonal)

14-0549 Anti-Human CD54 (ICAM-1) Purified (HA58)
14-4724 Mouse IgG2a K Isotype Control Purified
17-4317 Streptavidin APC

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