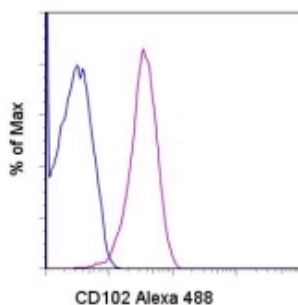


Anti-Mouse CD102 (ICAM-2) Alexa Fluor® 488

Catalog Number: 53-1021

Also Known As: ICAM2, Ly-60

RUO: For Research Use Only



Staining of C57BL/6 splenocytes with 0.125 µg of Rat IgG2a κ Isotype Control Alexa Fluor® 488 (cat. 53-4321) (blue histogram) or 0.125 µg of Anti-Mouse CD102 (ICAM-2) Alexa Fluor® 488 (purple histogram). Total viable cells were used for analysis.

Product Information

Contents: Anti-Mouse CD102 (ICAM-2) Alexa Fluor® 488


 Catalog Number: 53-1021

Clone: 3C4 (mIC2/4)

Concentration: 0.5 mg/ml


Host/Isotype: Rat IgG2a, κ

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

 Caution, contains Azide

Description

The monoclonal antibody 3C4 (mIC2/4) recognizes mouse CD102, also known as intercellular adhesion molecule-2 (ICAM-2). CD102, a member of the Immunoglobulin superfamily of receptors with 2 extracellular Ig domains, binds LFA (CD11a/CD18) and Mac-1 (CD11b/CD18), thereby mediating cellular interactions to lymphocytes. CD102 plays a role in NK cytotoxicity and migration, and lymphocyte recirculation. Expression of CD102 is found on most lymphocytes, monocytes and platelets.

The 3C4 (mIC2/4) antibody blocks interaction of lymphocytes with antigen presenting cells.

Applications Reported

This 3C4 (mIC2/4) antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

Applications Tested

This 3C4 (mIC2/4) antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.25 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. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

References

Gerwin N, Gonzalo JA, Lloyd C, Coyle AJ, Reiss Y, Banu N, Wang B, Xu H, Avraham H, Engelhardt B, Springer TA, Gutierrez-Ramos JC. Prolonged eosinophil accumulation in allergic lung interstitium of ICAM-2 deficient mice results in extended hyperresponsiveness. *Immunity*. 1999 Jan;10(1):9-19. (3C4, FC, IHC/IF, PubMed)

Xu H, Bickford JK, Luther E, Carpenito C, Takei F, Springer TA. Characterization of murine intercellular adhesion molecule-2. *J Immunol*. 1996 Jun 15;156(12):4909-14. (3C4, mAb characterization, IP, FA, PubMed)

Related Products

53-4321 Rat IgG2a K Isotype Control Alexa Fluor® 488

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