

CD102 (ICAM-2) Monoclonal Antibody (3C4 (m1C2/4)), Alexa Fluor 488, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Alexa Fluor 488, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	3C4 (m1C2/4)
Conjugate	Alexa Fluor® 488
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.1% gelatin
Contains	0.09% sodium azide
Storage Conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_1311237

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.25 µg/test	-
Immunohistochemistry (Frozen) (IHC (F))	Assay-Dependent	-

Product Specific Information

Description: The monoclonal antibody 3C4 (m1C2/4) 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 (m1C2/4) antibody blocks interaction of lymphocytes with antigen presenting cells.

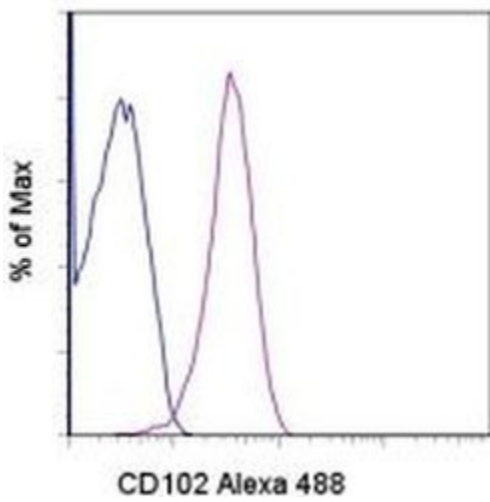
Applications Reported: This 3C4 (m1C2/4) antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

Applications Tested: This 3C4 (m1C2/4) 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.

Excitation: 488 nm; Emission: 519 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD102 (ICAM-2) Monoclonal Antibody (3C4 (mIC2/4)), Alexa Fluor 488, eBioscience™



CD102 (ICAM-2) Antibody (53-1021-82) in Flow

Staining of C57BL/6 splenocytes with 0.125 µg of Rat IgG2a kappa Isotype Control Alexa Fluor® 488 (Product # 53-4321-80) (blue histogram) or 0.125 µg of Anti-Mouse CD102 (ICAM-2) Alexa Fluor® 488 (purple histogram). Total viable cells were used for analysis.

For Research Use Only. Not for use in diagnostic procedures. Not for resale without express authorization. Products are warranted to operate or perform substantially in conformance with published Product specifications in effect at the time of sale, as set forth in the Production documentation, specifications and/or accompanying package inserts ("Documentation"). No claim of suitability for use in applications regulated by FDA is made. The warranty provided herein is valid only when used by properly trained individuals. Unless otherwise stated in the Documentation, this warranty is limited to one year from date of shipment when the Product is subjected to normal, proper and intended usage. This warranty does not extend to anyone other than the Buyer. Any model or sample furnished to Buyer is merely illustrative of the general type and quality of goods and does not represent that any Product will conform to such model or sample. NO OTHER WARRANTIES, EXPRESS OR IMPLIED, ARE GRANTED INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR NON INFRINGEMENT. BUYER'S EXCLUSIVE REMEDY FOR NON-CONFORMING PRODUCTS DURING THE WARRANTY PERIOD IS LIMITED TO REPAIR, REPLACEMENT OF OR REFUND FOR THE NON-CONFORMING PRODUCT(S) AT SELLER'S SOLE OPTION. THERE IS NO OBLIGATION TO REPAIR, REPLACE OR REFUND FOR PRODUCTS AS THE RESULT OF (I) ACCIDENT, DISASTER OR EVENT OF FORCE MAJEURE, (II) MISUSE, FAULT OR NEGLIGENCE OF OR BY BUYER, (III) USE OF THE PRODUCTS IN A MANNER FOR WHICH THEY WERE NOT DESIGNED, OR (IV) IMPROPER STORAGE AND HANDLING OF THE PRODUCTS. Unless otherwise expressly stated on the Product or in the documentation accompanying the Product, the Product is intended for research only and is not to be used for any other purpose, including without limitation, unauthorized commercial uses, in vitro diagnostic uses, ex vivo or in vivo therapeutic uses, or any type of consumption by or application to human or animals.