

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

Product Details	
Size	25 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_1311239

Applications	Tested	Dilution	Published
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.

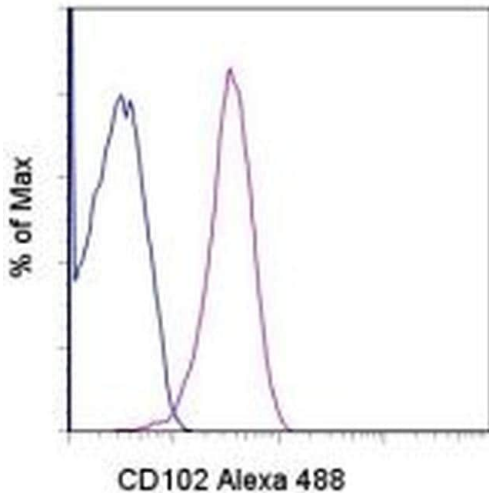
Applications Reported: This 3C4 (m1C2/4) antibody has been reported for use in flow cytometric analysis, and immunohistology staining of frozen tissue sections.

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 10<sup>5</sup> to 10<sup>8</sup> 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 (53-1021-80) 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.

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