

CD11a (LFA-1alpha) Monoclonal Antibody (M17/4), PE, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotope	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), PE, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M17/4
Conjugate	PE
Form	Liquid
Concentration	0.2 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_465544

Applications	Tested	Dilution	Published
Flow Cytometry (Flow)	✓	0.5 µg/test	9 Publications
Immunocytochemistry (ICC)	-		1 Publication
Immunofluorescence (IF)	-		1 Publication

Product Specific Information

Description: The M17/4 monoclonal antibody reacts with mouse CD11a, the 180 kDa integrin alpha L, also known as the lymphocyte function associated antigen-1 (LFA-1) alpha chain. LFA-1, formed by non-covalent association of CD11a with CD18 (integrin beta 2), serves as an important adhesion molecule involved in lymphocyte and granulocyte function. CD54 (ICAM-1), CD102 (ICAM-2), and CD50 (ICAM-3) are ligands for LFA-1. CD11a is expressed by all leukocytes.

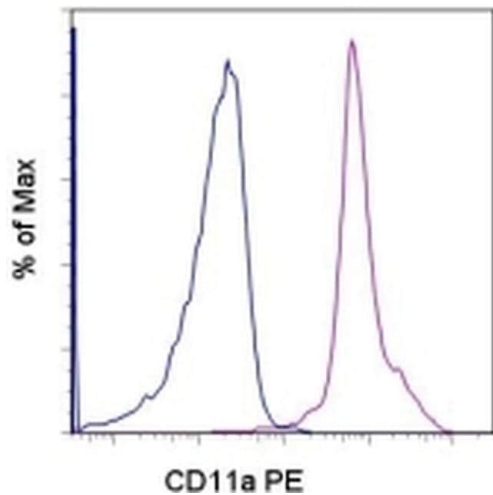
Applications Reported: The M17/4 antibody has been reported for use in flow cytometric analysis.

Applications Tested: The M17/4 antibody has been tested by flow cytometric analysis of mouse splenocytes. This can be used at less than or equal to 0.5 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: 488-561 nm; Emission: 578 nm; Laser: Blue Laser, Green Laser, Yellow-Green Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD11a (LFA-1alpha) Monoclonal Antibody (M17/4), PE, eBioscience™



CD11a (LFA-1alpha) Antibody (12-0111-82) in Flow

Staining of BALB/c splenocytes with 0.25 µg of Rat IgG2a K Isotype Control PE (Product # 12-4321-80) (blue histogram) or 0.25 µg of Anti-Mouse CD11a PE (purple histogram). Cells in the lymphocyte gate were used for analysis.

11 References

Flow Cytometry (9)

The Journal of clinical investigation

A DOCK8-WIP-WASp complex links T cell receptors to the actin cytoskeleton.

"12-0111 was used in Flow cytometry/Cell sorting to show that Wiskott-Adrich syndrome and dedicator of cytokinesis (DOCK8) deficiency have common pathogenic mechanisms, with the DOCK9-WIP-WASp linking T-cell receptors with the actin cytoskeleton."

Authors: Janssen E, Tohme M, Hedayat M, Leick M, Kumari S, Ramesh N, Massaad MJ, Ullas S, Azcutia V, Goodnow CC, Randall KL, Qiao Q, Wu H, Al-Herz W, Cox D, Hartwig J, Irvine DJ, Luscinskas FW, Geha RS

Species
Mouse

Dilution
Not Cited

Year
2016

Arteriosclerosis, thrombosis, and vascular biology

Monocyte Adhesion and Plaque Recruitment During Atherosclerosis Development Is Regulated by the Adapter Protein Chat-H/SHEP1.

"12-0111 was used in Flow cytometry/Cell sorting to analyse the role of Chat-H in atherosclerosis development, showing that monocyte adhesion and plaque recruitment is regulated by Chat-H/SHEP1."

Authors: Herbin O, Regelmann AG, Ramkhelawon B, Weinstein EG, Moore KJ, Alexandropoulos K

Species
Mouse

Dilution
Not Cited

Year
2016

[View more Flow references on thermofisher.com](#)

Immunocytochemistry (1)

Immunology and cell biology

PI3K promotes CD4(+) T-cell interactions with antigen-presenting cells by increasing LFA-1 binding to ICAM-1.

"12-0111 was used in Immunocytochemistry-immunofluorescence to investigate the signalling pathways that control integrin affinities."

Authors: Garçon F, Okkenhaug K

Species
Mouse

Dilution
Not Cited

Year
2016

Immunofluorescence (1)

Immunology and cell biology

PI3K promotes CD4(+) T-cell interactions with antigen-presenting cells by increasing LFA-1 binding to ICAM-1.

"12-0111 was used in Immunocytochemistry-immunofluorescence to investigate the signalling pathways that control integrin affinities."

Authors: Garçon F, Okkenhaug K

Species
Mouse

Dilution
Not Cited

Year
2016

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