

# CD11a (LFA-1alpha) Monoclonal Antibody (M17/4), Super Bright™ 436, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2a, kappa
Recommended Isotype Control	Rat IgG2a kappa Isotype Control (eBR2a), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	M17/4
Conjugate	Super Bright™ 436
Excitation/Emission Max	413/431 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2762648

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	-	1 Publication
Flow Cytometry (Flow)	1 µg/test	-

## 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:** This M17/4 antibody has been reported for use in flow cytometric analysis.

**Applications Tested:** This M17/4 antibody has been tested by flow cytometric analysis of mouse bone marrow cells. This may be used at less than or equal to 1 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.

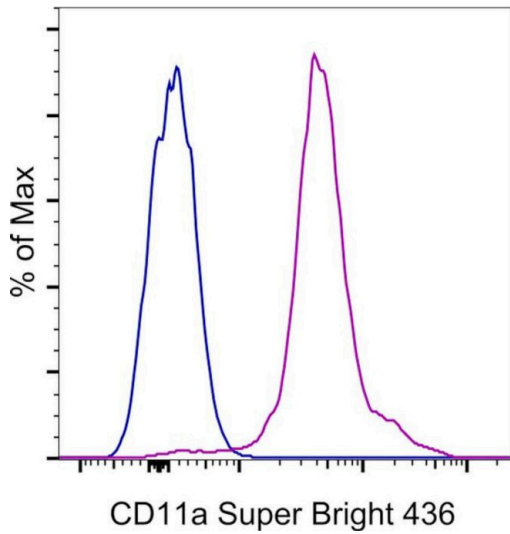
Super Bright 436 can be excited with the violet laser line (405 nm) and emits at 436 nm. We recommend using a 450/50 bandpass filter, or equivalent. Please make sure that your instrument is capable of detecting this fluorochrome.

When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for Super Bright Staining Buffer for more information.

Excitation: 405 nm; Emission: 436 nm; Laser: Violet Laser

Super Bright Polymer Dyes are sold under license from Becton, Dickinson and Company.

Product Images For CD11a (LFA-1alpha) Monoclonal Antibody (M17/4), Super Bright™ 436, eBioscience™



**CD11a (LFA-1alpha) Antibody (62-0111-82) in Flow**  
C57BL/6 mouse splenocytes were stained with 0.5 µg of Rat IgG2b kappa Isotype Control, Super Bright 436 (Product # 62-4031-82) (Blue histogram) or 0.5 µg of CD11a Monoclonal Antibody, Super Bright 436 (Purple histogram). Cells in the lymphocyte gate were used for analysis.

1 Reference

Immunohistochemistry (1)

International journal of molecular sciences	Year
<b>Adhesion Molecule Profile and the Effect of Anti-VLA-4 mAb Treatment in Experimental Autoimmune Encephalomyelitis, a Mouse Model of Multiple Sclerosis.</b>	2022
"Published figure using CD11a (LFA-1alpha) monoclonal antibody (Product # 62-0111-82) in Immunohistochemistry"	
Authors: Pyka-Fociak G,Lis GJ,Litwin JA	

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