

CD150 Monoclonal Antibody (mShad150), Super Bright™ 436, eBioscience™

Product Details	
Size	25 µg
Species Reactivity	Mouse
Host/Isotype	Rat / IgG2b, lambda
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), Super Bright™ 436, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	mShad150
Conjugate	Super Bright™ 436
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_2734881

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	1 Publication

Product Specific Information

Description: The mShad150 monoclonal antibody reacts with mouse CD150, an ~70 kDa transmembrane glycoprotein also known as Signaling Lymphocyte Activation Molecule (SLAM). CD150 is expressed by T cells, in particular Th1, and B cells; this expression is rapidly upregulated upon activation. Immature thymocytes and dendritic cells also express this antigen. Signaling through SLAM in T cells induces proliferation and augmentation of the interferon-gamma response. Furthermore, SLAM is thought to play a role in adhesion between the T cell and antigen-presenting cell. The mShad150 antibody has been reported to also stain the CD150+CD244-CD48-CD41- population of pluripotent hematopoietic stem cells.

Applications Reported: This mShad150 antibody has been reported for use in flow cytometric analysis.

Applications Tested: This mShad150 antibody has been tested by flow cytometric analysis of mouse splenocytes. This may be used at less than or equal to 0.125 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.

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.

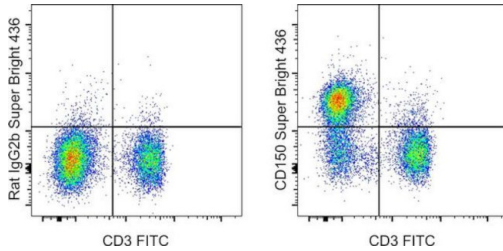
When using two or more Super Bright dye-conjugated antibodies in a staining panel, it is recommended to use Super Bright Complete Staining Buffer (Product # SB-4401) to minimize any non-specific polymer interactions. Please refer to the datasheet for

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 CD150 Monoclonal Antibody (mShad150), Super Bright™ 436, eBioscience™



CD150 Antibody (62-1502-80) in Flow

BALB/c mouse splenocytes were stained with CD3e Monoclonal Antibody, FITC (Product # 11-0031-82) and 0.06 µg of Rat IgG2b kappa Isotype Control, Super Bright 436 (Product # 62-4031-82) (left) or 0.06 µg of CD150 Monoclonal Antibody, Super Bright 436 (right). Cells in the lymphocyte gate were used for analysis.

1 Reference

Flow Cytometry (1)

Journal of neuroinflammation

Effects of long-term and brain-wide colonization of peripheral bone marrow-derived myeloid cells in the CNS.

"Published figure using CD150 monoclonal antibody (Product # 62-1502-82) in Flow Cytometry"

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2020

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