CD150 Monoclonal Antibody (mShad150), PerCP-eFluor™ 710, eBioscience™

Product Details	
Size	100 µg
Species Reactivity	Mouse
Published Species	Mouse
Host/Isotype	Rat / IgG2b, lambda
Recommended Isotype Control	Rat IgG2b kappa Isotype Control (eB149/10H5), PerCP-eFluor™ 710, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	mShad150
Conjugate	PerCP-eFluor™ 710
Excitation/Emission Max	482/708 nm
Form	Liquid
Concentration	0.2 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_2016699

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	0.125 µg/test	7 Publications

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 can 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 10^5 to 10^8 cells/test. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

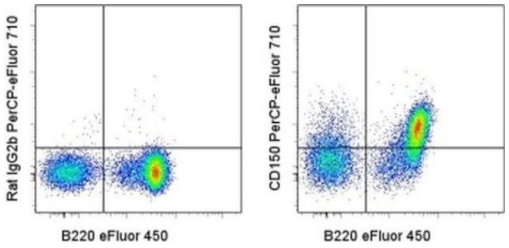
PerCP-eFluor® 710 can be used in place of PE-Cy5, PE-Cy5.5 or PerCP-Cy5.5. PerCP-eFluor® 710 emits at 710 nm and is excited with the blue laser (488 nm). Please make sure that your instrument is capable of detecting this fluorochrome. For a filter configuration, we recommend using the 685 LP dichroic mirror and 710/40 band pass filter, however the 695/40 band pass filter is an acceptable alternative.

Our testing indicates that PerCP-eFluor® 710 conjugated antibodies are stable when stained samples are exposed to freshly prepared 2% formaldehyde overnight at 4°C, but please evaluate for alternative fixation protocols.

Excitation: 488 nm; Emission: 710 nm; Laser: Blue Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For CD150 Monoclonal Antibody (mShad150), PerCP-eFluor™ 710, eBioscience™



CD150 Antibody (46-1502-82) in Flow
Staining of C57BL/6 splenocytes with Anti-Human/Mouse CD45R (B220) eFluor® 450 (Product # 48-0452-82) and 0.06 µg of Rat IgG2b K Isotype Control PerCP-eFluor® 710 (Product # 46-4031-82) (left) or 0.06 µg of Anti-Mouse CD150 PerCP-eFluor® 710 (right). Total viable cells were used for analysis.

View more figures on thermofisher.cn

7 References

Flow Cytometry (7)

Wellcome open research

Activation of regulatory T cells triggers specific changes in glycosylation associated with Siglec-1-dependent inflammatory responses.

"Published figure using CD150 monoclonal antibody (Product # 46-1502-82) in Flow Cytometry"

Authors: Wu G,Murugesan G,Nagala M,McCraw A,Haslam SM,Dell A,Crocker PR

Year
2022

The Journal of experimental medicine

Loss of tRNA-modifying enzyme Elp3 activates a p53-dependent antitumor checkpoint in hematopoiesis.

"46-1502-82 was used in flow cytometry to investigate Elp3 and p53 in hematopoiesis."

Authors: Rosu A,El Hachem N,Rapino F,Rouault-Pierre K,Jorssen J,Somja J,Ramery E,Thiry M,Nguyen L,Jacquemyn M,Daelemans D,Adams CM,Bonnet D,Chariot A,Close P,Bureau F,Desmet CJ

Year
2021

Species
Mouse

View more Flow references on thermofisher.cn

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