

Product datasheet

Anti-SLAM / CD150 antibody [EPR22904-135] ab228978

Recombinant RabMAb

4 Images

Overview

Product name	Anti-SLAM / CD150 antibody [EPR22904-135]
Description	Rabbit monoclonal [EPR22904-135] to SLAM / CD150
Host species	Rabbit
Specificity	IHC-P is recommended for mouse only.
Tested applications	Suitable for: WB, IHC-P Unsuitable for: Flow Cyt, ICC/IF, IHC-Fr or IP
Species reactivity	Reacts with: Mouse, Rat
Immunogen	Recombinant fragment within Mouse SLAM/ CD150 aa 1-250. The exact sequence is proprietary. Database link: Q9QUM4
Positive control	WB: Mouse thymus and spleen lysates; rat thymus lysate. IHC-P Mouse spleen and bone marrow tissue.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise[™] guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been "predicted to work</p>

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

Domain

The most membrane-proximal SH2-binding motif interacts with SH2 domain of SH2D1A and does not need to be phosphorylated on tyrosine residues.

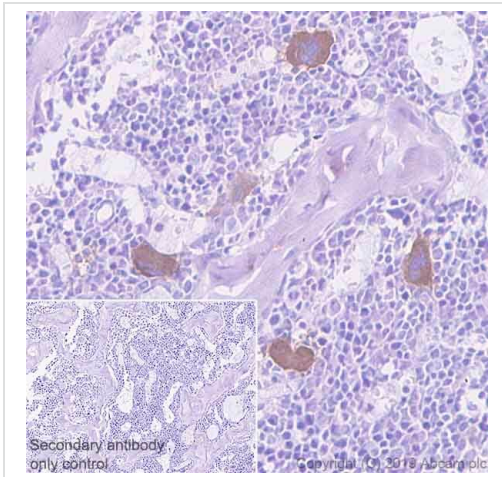
Post-translational modifications

Phosphorylated by FYN.

Cellular localization

Cell membrane. Present on the surface of B-cells and T-cells.

Images

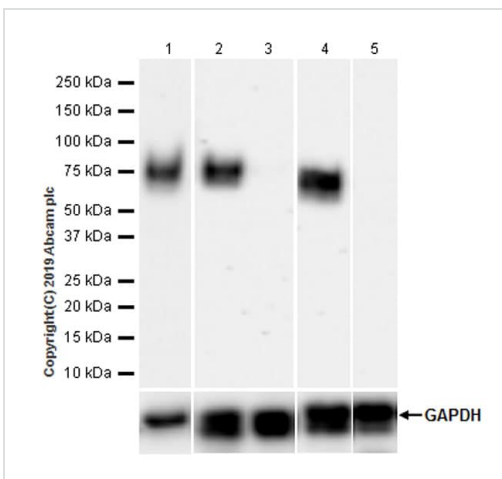


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SLAM / CD150 antibody [EPR22904-135] (ab228978)

Immunohistochemical analysis of paraffin-embedded mouse bone marrow tissue labeling SLAM /CD150 with ab228978 at 1/500 dilution, followed by ready to use Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). The section was incubated with ab228978 for 15 mins at RT. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Positive staining on megakaryocytes in mouse bone marrow (PMID: 15989959) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Rabbit specific IHC polymer detection kit HRP/DAB (ab209101).

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0, epitope retrieval solution 2) for 20 mins.



Western blot - Anti-SLAM / CD150 antibody [EPR22904-135] (ab228978)

All lanes : Anti-SLAM / CD150 antibody [EPR22904-135] (ab228978) at 1/1000 dilution

Lane 1 : Mouse thymus lysate

Lane 2 : Mouse spleen lysate

Lane 3 : Mouse lung lysate

Lane 4 : Rat thymus lysate

Lane 5 : Rat lung lysate

Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

Predicted band size: 38 kDa

Observed band size: 75 kDa

why is the actual band size different from the predicted?

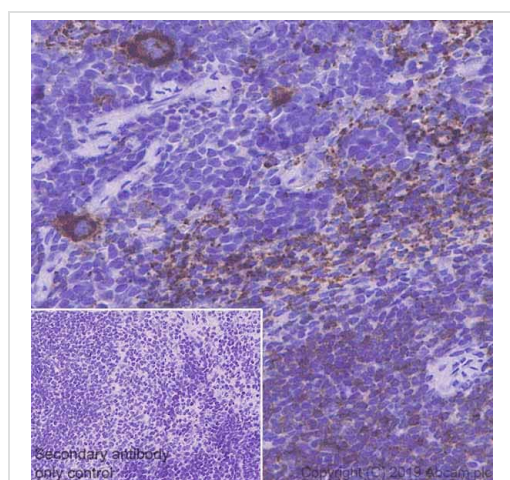
Blocking and dilution buffer: 5% NFDM/TBST.

Exposure times.

Lane 1: 26 seconds; Lanes 2-5: 136 seconds.

The molecular weight observed is consistent with what has been described in the literature (PMID: 28982149).

Negative control: Lung (PMID: 11950898)



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue labeling SLAM /CD150 with ab228978 at 1/500 dilution, followed by Rabbit specific IHC polymer detection kit HRP/DAB (ab209101). The section was incubated with ab228978 for 15 mins at RT. The immunostaining was performed on a Leica Biosystems BOND® RX instrument. Positive staining on megakaryocytes in mouse bone marrow (PMID: 15989959) is observed. Counter stained with hematoxylin.

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Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-SLAM / CD150 antibody [EPR22904-135]
(ab228978)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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