

Product datasheet

Anti-SLAM / CD150 antibody [9D1] - Low endotoxin, Azide free ab174599

[1 Image](#)

Overview

Product name	Anti-SLAM / CD150 antibody [9D1] - Low endotoxin, Azide free
Description	Rat monoclonal [9D1] to SLAM / CD150 - Low endotoxin, Azide free
Host species	Rat
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.
Positive control	Mouse thymic and splenic cell suspensions (C57Bl/6 splenocytes).
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.2
Carrier free	Yes
Purity	Protein G purified
Clonality	Monoclonal
Clone number	9D1
Isotype	IgG1

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab174599 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Flow Cyt		Use 0.5-1 µg for 10 ⁵⁻⁸ cells. (Final test volume = 100 µL). ab18407 - Rat monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Function

High-affinity self-ligand important in bidirectional T-cell to B-cell stimulation. SLAM-induced signal-transduction events in T-lymphocytes are different from those in B-cells. Two modes of SLAM signaling are likely to exist: one in which the inhibitor SH2D1A acts as a negative regulator and another in which protein-tyrosine phosphatase 2C (PTPN11)-dependent signal transduction operates.

Tissue specificity

Constitutively expressed on peripheral blood memory T-cells, T-cell clones, immature thymocytes and a proportion of B-cells, and is rapidly induced on naive T-cells after activation.

Sequence similarities

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.
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.

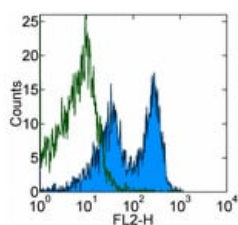
Post-translational modifications

Phosphorylated by FYN.

Cellular localization

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

Images



Flow cytometry analysis of C57Bl/6 splenocytes labeling SLAM / CD150 using ab174599 (blue histogram) at 0.5 µg, or purified Rat IgG1 kappa Isotype Control (open histogram) at 0.5 µg; followed by an anti-Rat IgG Biotin and Streptavidin PE. Cells in the lymphocyte gate were used for analysis.

Flow Cytometry - Anti-SLAM / CD150 antibody
[9D1] - Low endotoxin, Azide free (ab174599)

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

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- Response to your inquiry within 24 hours

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