

SLAMF9 Antibody

Catalog # ASC11281

Specification

SLAMF9 Antibody - Product Information

Application Primary Accession Other Accession Reactivity Host Clonality Isotype Application Notes WB, IHC, IF <u>O96A28</u> NP_001139645, 226342990 Human, Mouse, Rat Rabbit Polyclonal IgG SLAMF9 antibody can be used for detection of SLAMF9 by Western blot at 1 - 2 μg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μg/mL. For immunofluorescence start at 20 μg/mL.

SLAMF9 Antibody - Additional Information

Gene ID 89886 Target/Specificity SLAMF9; SLAMF9 antibody is predicted to not cross-react with other SLAM protein family members.

Reconstitution & Storage

SLAMF9 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

Precautions

SLAMF9 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

SLAMF9 Antibody - Protein Information

Name SLAMF9

Synonyms CD2F10

Function May play a role in the immune response.

Cellular Location Membrane; Single-pass type I membrane protein.

Tissue Location

Expression is predominantly restricted in hematopoietic tissues. Expressed in heart, spleen, liver, intestine, muscle and testis. Expressed in immune cells, including monocytes, dendritic, B- and



T-cells. No expression was seen in peripheral blood leukocytes. Expressed in the leukocyte cell line THP-1

SLAMF9 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

SLAMF9 Antibody - Images



Western blot analysis of SLAMF9 in mouse kidney tissue lysate with SLAMF9 antibody at (A) 1 and (B) 2 μ g/mL.



Immunohistochemistry of SLAMF9 in human kidney tissue with SLAMF9 antibody at 2.5 µg/mL.





Immunofluorescence of SLAMF9 in human kidney tissue with SLAMF9 antibody at 20 µg/mL.

SLAMF9 Antibody - Background

SLAMF9 Antibody: The SLAM (signalling lymphocyte activation molecule) family is a novel group of receptors on T cells in modulating the immune response. SLAMF9, also known as CD2F-10 or CD84 homolog, is a 289 amino acid type I transmembrane protein that shares 58% identity with the mouse protein. The SLAMF9 protein is predominantly expressed in hematopoietic tissues and contains an extracellular region with only two N-linked glycosylation sites, a 20-residue transmembrane region and a highly positively charged 30-residue cytoplasmic tail, suggesting a role for SLAMF9 as an adhesion molecule. SLAMF9 is thought to function in the immune response as a coreceptor for lymphocyte activation.

SLAMF9 Antibody - References

Veillette A and Latour S. The SLAM family of immune-cell receptors. Curr. Opin. Immunol. 2003; 15:277-85.

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Detre C, Keszei M, Romero X, et al. SLAM family receptors and the SLAM-associated protein (SAP) modulate T cell functions. Semin. Immunopathol. 2010; 32:157-71.