

SLAMF9 Antibody

Catalog # ASC11281

Product Information

Application	WB, IF, E, IHC-P
Primary Accession	Q96A28
Other Accession	NP_001139645 , 226342990
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	32436
Concentration (mg/ml)	1 mg/mL
Conjugate	Unconjugated
Application Notes	SLAMF9 antibody can be used for detection of SLAMF9 by Western blot at 1 - 2 μ g/mL. Antibody can also be used for immunohistochemistry starting at 2.5 μ g/mL. For immunofluorescence start at 20 μ g/mL.

Additional Information

Gene ID	89886
Other Names	SLAM family member 9, CD2 family member 10, CD2F-10, CD84 homolog 1, CD84-H1, SLAMF9, CD2F10
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.

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

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.

References

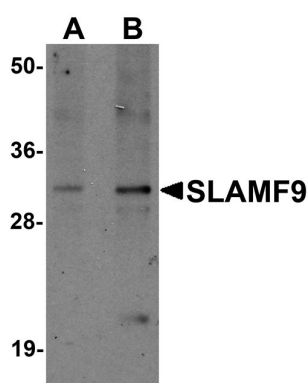
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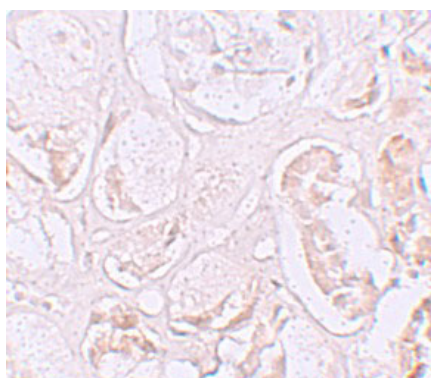
Fennelly JA, Tiwari B, Davis SJ, et al. CD2F-10: a new member of the CD2 subset of the immunoglobulin superfamily. *Immunogenetics* 2001; 53:599-602.

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.

Images

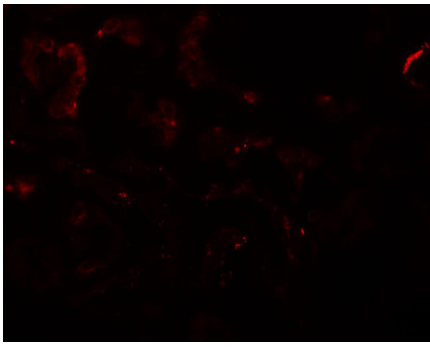


Western blot analysis of SLAMF9 in mouse kidney tissue lysate with SLAMF9 antibody at (A) 1 and (B) 2 µg/mL.



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.



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