

For Research Use Only

SLAMF7/CD319 Polyclonal antibody

Catalog Number: 12905-1-AP

2 Publications



Basic Information

Catalog Number:

12905-1-AP

Size:

150ul, Concentration: 700 ug/ml by Nanodrop and 400 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3804

GenBank Accession Number:

BC027867

GeneID (NCBI):

57823

UNIPROT ID:

Q9NQ25

Full Name:

SLAM family member 7

Calculated MW:

335 aa, 37 kDa

Observed MW:

66 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:200-1:800

Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, pig

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: IM-9 cells, human spleen tissue, pig spleen tissue, Jurkat cells

IHC: human tonsillitis tissue,

Background Information

Signaling lymphocyte activation molecule (SLAM) family receptors is a group of type I transmembrane receptors belonging to the immunoglobulin superfamily (PMID: 37251372). The SLAM family contains nine members that contain an extracellular segment comprising two or four Ig-like domains (V-like variable and C2-like constant), a transmembrane region and a cytoplasmic tail (PMID: 29662641). They are involved in various physiological and pathological processes, including the regulation of immunological responses and the route of viral entry. SLAMF7, also known as CS1, CRACC or CD319, is expressed on NK cells, CD8+ T lymphocytes, B lymphocytes, and mature dendritic cells (PMID: 28861320). It exerts both activating and inhibitory effects depending on the expression status of SAP or EAT-2. SLAMF7 is overexpressed in multiple myeloma and makes it a target for immunotherapy (PMID: 28861320). The native molecular weight of SLAMF7 is 37 kDa and the apparent molecular mass shifts due to glycosylation (PMID: 11698418; 36381324).

Notable Publications

Author	Pubmed ID	Journal	Application
Man Li	39713206	Exploration (Beijing)	WB, IF
Jian-Jun Wu	38435123	Int J Chron Obstruct Pulmon Dis	WB

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

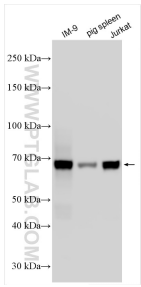
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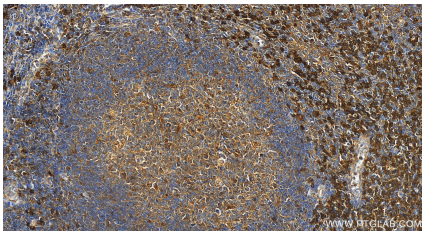
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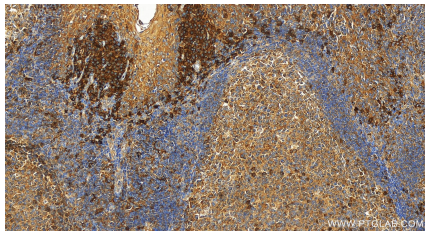
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12905-1-AP (SLAMF7/CD319 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 12905-1-AP (SLAMF7 antibody) at dilution of 1:400 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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