

SLAMF7/CD319 Recombinant antibody

Catalog Number: 84254-1-RR

Basic Information

Catalog Number: 84254-1-RR	GenBank Accession Number: BC027867	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 57823	CloneNo.: 241320B6
Source: Rabbit	UNIPROT ID: Q9NQ25	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:500-1:2000
Isotype: IgG	Full Name: SLAM family member 7	
	Calculated MW: 335 aa, 37 kDa	
	Observed MW: 75 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls:
Species Specificity: human	WB : IM-9 cells, IHC : human tonsillitis tissue,

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

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).

Storage

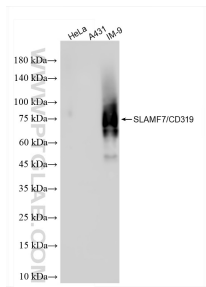
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

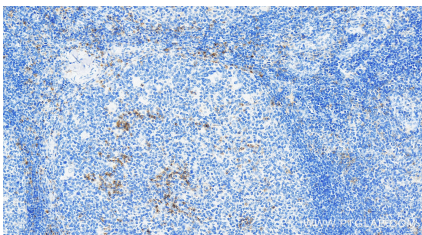
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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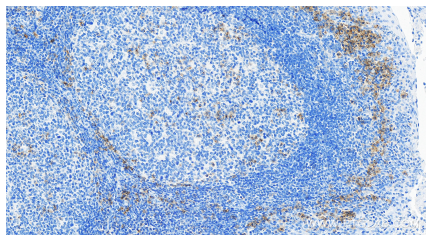
Selected Validation Data



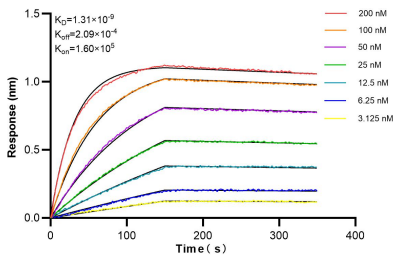
IM-9 cells were subjected to SDS PAGE followed by western blot with 84254-1-RR (SLAMF7 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 84254-1-RR (SLAMF7/CD319 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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Biolayer interferometry (BLI) kinetic assays of 84254-1-RR against Human SLAMF7/CD319 were performed. The affinity constant is 1.31 nM.