

For Research Use Only

# CD229/SLAMF3 Polyclonal antibody

Catalog Number: 32666-1-AP



## Basic Information

<b>Catalog Number:</b> 32666-1-AP	<b>GenBank Accession Number:</b> NM_001277968.1	<b>Purification Method:</b> Antigen affinity Purification
<b>Concentration:</b> 350 ug/ml	<b>GeneID (NCBI):</b> 17085	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q01965	
<b>Isotype:</b> IgG	<b>Full Name:</b> lymphocyte antigen 9	
<b>Immunogen Catalog Number:</b> EG1586	<b>Calculated MW:</b> 73 kDa	
	<b>Observed MW:</b> 120 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : EL-4 cells, IHC : mouse spleen tissue, mouse thymus tissue
<b>Species Specificity:</b> mouse	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Signaling lymphocytic activation molecule 3 (SLAMF3), also known as CD229 or Ly9, is a type I transmembrane glycoprotein that belongs to the SLAM family receptors (PMID: 10970093; 15905546). It is composed of an extracellular region, which consists of four Ig-like domains, a transmembrane region, and a cytoplasmic tail, which includes two immunoreceptor tyrosine-based signaling motifs (ITSMs) and other tyrosine residues that act as binding sites for the SH2 structural domains (PMID: 8537117; 11369645; 38626547). SLAMF3 is mainly expressed in immune cells, such as T, B, and natural killer cells, and it is involved in the fundamental activation and suppression of these immune cells, as well as the regulation of complex immune networks (PMID: 38626547).

## 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

For technical support and original validation data for this product please contact:

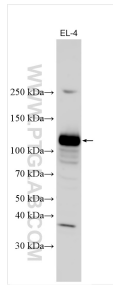
T: 4006900926

E: Proteintech-CN@ptglab.com

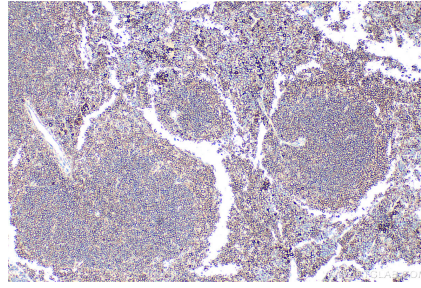
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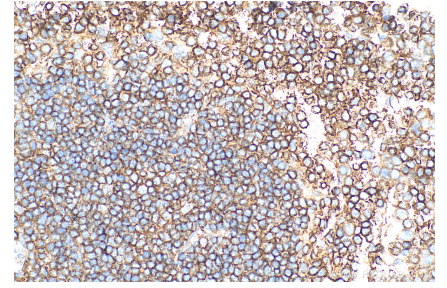
## Selected Validation Data



EL-4 cells were subjected to SDS PAGE followed by western blot with 32666-1-AP (SLAMF3/CD229 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32666-1-AP (SLAMF3/CD229 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 32666-1-AP (SLAMF3/CD229 antibody) at dilution of 1:400 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).