

For Research Use Only

Mouse CD229/SLAMF3 Recombinant antibody, PBS Only

Catalog Number: 84817-4-PBS



Basic Information

Catalog Number:

84817-4-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_001277968.1

GeneID (NCBI):

17085

UNIPROT ID:

Q01965

Full Name:

Lymphocyte antigen 9

Calculated MW:

73 kDa

Observed MW:

80-90 kDa, 110 kDa

Purification Method:

Protein A purification

CloneNo.:

242312E8

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

mouse

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 -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

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

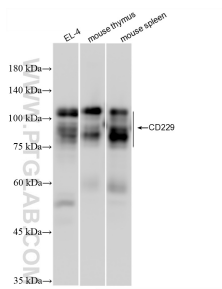
T: 4006900926

E: Proteintech-CN@ptglab.com

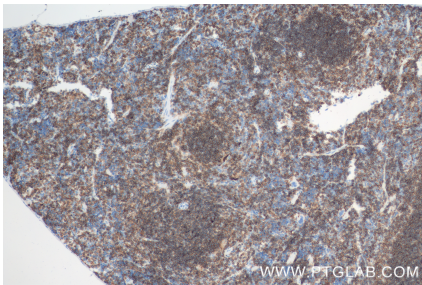
W: ptgcn.com

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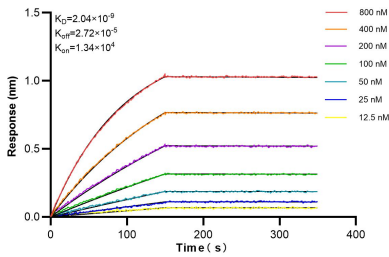
Selected Validation Data



EL-4 cells were subjected to SDS PAGE followed by western blot with 84817-4-RR (CD229/SLAMF3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84817-4-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse spleen tissue slide using 84817-4-RR (SLAMF3/CD229 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 84817-4-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84817-4-RR against Mouse SLAMF3/CD229 were performed. The affinity constant is 2.04 nM.