

SLAM (PT1712R) PT™ Rabbit mAb

CatalogNo: YM9554 **Recombinant** 

Key Features

Host Species

- Rabbit

Reactivity

- Human

Applications

- WB,IF,ELISA

MW

- 37kD (Calculated)
- 90kD (Observed)

Isotype

- IgG,Kappa

Storage

Storage* -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA

Recommended Dilution Ratios

WB 1:2000-1:10000**IF 1:200-1:1000****ELISA 1:5000-1:20000**

Basic Information

Clonality Monoclonal**Clone Number** PT1712R

Immunogen Information

Specificity Endogenous

Target Information

Gene name SLAMF1 SLAM

Protein Name Signaling lymphocytic activation molecule

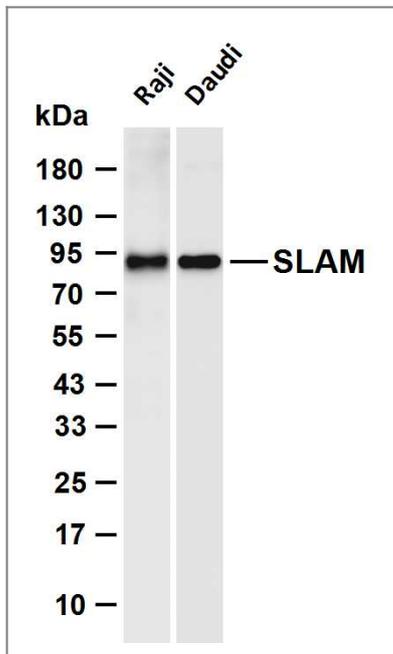
Organism	Gene ID	UniProt ID
Human	6504 ;	Q13291 ;
Mouse	27218 ;	Q9QUM4 ;

Cellular Localization Cell membrane ; Single-pass type I membrane protein. Present on the surface of B-cells and T-cells. Located at the plasma membrane contacts between neighboring T-cells (PubMed:11806999). .; [Isoform 3]: Secreted .; [Isoform 4]: Cell membrane . Overexpressed isoform 4 is detected on the cell surface. In glioma cell lines endogenous isoform 4 is detected predominantly in the cytoplasm and colocalized with endoplasmic reticulum and Golgi markers. .

Tissue specificity Constitutively expressed on peripheral blood memory T-cells, T-cell clones, immature thymocytes and a proportion of B-cells, and is rapidly induced on naive T-cells after activation (PubMed:7617038). Activated B-cells express isoform 1, isoform 3 and a cytoplasmic isoform (PubMed:9091591). Isoform 4 is expressed in B-cells, primary T-cells, dendritic cells and macrophages. Isoform 4 is expressed in tumors of the central nervous system (PubMed:25710480).

Function Domain:The most membrane-proximal SH2-binding motif interacts with SH2 domain of SH2D1A and does not need to be phosphorylated on tyrosine residues.,Function:High-affinity self-ligand important in bidirectional T-cell to B-cell stimulation. SLAM-induced signal-transduction events in T-lymphocytes are different from those in B-cells. Two modes of SLAM signaling are likely to exist: one in which the inhibitor SH2D1A acts as a negative regulator and another in which protein-tyrosine phosphatase 2C (PTPN11)-dependent signal transduction operates.,PTM:Phosphorylated by FYN.,similarity:Contains 1 Ig-like C2-type (immunoglobulin-like) domain.,similarity:Contains 1 Ig-like V-type (immunoglobulin-like) domain.,subcellular location:Present on the surface of B-cells and T-cells.,subunit:Its cytoplasmic domain interacts with SH2 domain protein 1A (SH2D1A), and with PTPN11. Interacts with INPP5D/SHIP1. Binds to Measles virus HN protein and acts as a receptor for this virus.,tissue specificity:Constitutively expressed on peripheral blood memory T-cells, T-cell clones, immature thymocytes, and a proportion of B-cells, and is rapidly induced on naive T-cells after activation.,

| Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-SLAM (PT1712R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Raji Lane 2: Daudi Predicted band size: 37kDa Observed band size: 90kDa

Contact information

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PT™ Rabbit mAb

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