For Research Use Only

Phospho-LAT (Tyr220) Recombinant monoclonal antibody, PBS Only

Catalog Number:87289-1-PBS

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Basic Information

Catalog Number:
87289-1-PBS

Source:
Rabbit

Isotype:
IgG

GenBank Accession Number:
BC011563

GeneID (NCBI):
27040

UNIPROT ID:
O43561

Full Name:
linker for activation of T cells

Calculated MW:
262 aa, 28 kDa

Observed MW:
36 kDa, 38 kDa

Purification Method:
Protein A purification

CloneNo.:
252580D5

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

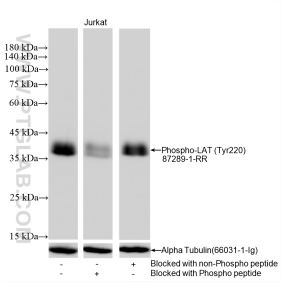
LAT is a membrane-localized adaptor protein which is primarily concentrated in microdomains by palmitoylation. Phospho-LAT (Tyr220) is a phosphorylated form of the Linker for Activation of T cells (LAT), a protein that plays a pivotal role in T cell receptor (TCR) signaling. LAT is involved in the assembly of the signaling complex that leads to T cell activation. Upon TCR engagement, LAT becomes phosphorylated at multiple tyrosine residues, including Tyr220. (PMID: 38746248)

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, pH7.3

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



Jurkat cell lysates were subjected to SDS PAGE followed by western blot with 87289-1-RR (Phospho-LAT (Tyr220) antibody) blocked with BSA only, Phospho-LAT (Tyr220) peptide or non-Phospho peptide were subjected to SDS PAGE followed by western blot with 87289-1-RR (LAT-Tyr220 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87289-1-PBS in a different storage buffer formulation.