

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



p-LAT (Y191) Peptide

Cat No.: BS4702P

Background

LAT, a transmembrane adaptor protein expressed in T, NK and mast cells, is an important mediator for T cell receptor (TCR) signaling. Upon TCR engagement, activated Zap-70 phosphorylates LAT at multiple conserved tyrosine residues within SH2 binding motifs, exposing these motifs as the docking sites for downstream signaling targets. The phosphorylation of LAT at Tyr171 and 191 enables the binding of Grb2, Gads/SLP-76, PLCgamma1 and PI3 kinase through their SH2 domain and translocates them to the membrane. This process eventually leads to activation of the corresponding signaling pathways.

Swiss-Prot

O43561

Applications

Blocking

Specificity

This peptide can be used with studies using BS4702 p-LAT (Y191) pAb.

Purification & Purity

Synthetic peptide p-LAT (Y191). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.