

Datasheet for ABIN2666079

anti-LAT antibody

3 Images

[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	LAT
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Biochemical Assay (BCA)

Product Details

Clone:	LAT1111
Isotype:	IgG1
No Cross-Reactivity:	Mouse (Murine)
Purification:	The antibody was purified by affinity chromatography.

Target Details

Target:	LAT
Alternative Name:	LAT (LAT Products)
Background:	<p>LAT (linker for activation of T-cells) is a 36 kD phospho-tyrosine adaptor protein containing SH2 domains and a CVRC motif. Two LAT isoforms have been reported with approximate molecular weights of 36 kD and 38 kD. LAT is localized to lipid rafts, and is also a potential type III transmembrane protein, thought to be expressed in the juxtanuclear intracellular compartment.</p> <p>LAT links TCR engagement to Ras-MAPK activation, Ca²⁺ flux, IL-2 expression and is required</p>

Target Details

for T-cell development. LAT is phosphorylated when activated by TCR cross-linking, where it recruits signaling molecules. LAT activation can be prevented by polyunsaturated fatty acids. LAT is modified by ZAP-70 and Syk phosphorylation and can also be palmitoylated. LAT has been reported to be associated with Grb2, Gads, Grap, PLC- γ 1, p85 subunit PI3K, ZAP-70, Syk, Itk, Vav, SLP-76, and cbl.

Pathways: [TCR Signaling, Fc-epsilon Receptor Signaling Pathway](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: phosphate-buffered solution, pH 7.2, containing 0.09 % sodium azide. Final antibody concentration is 0.5 mg/mL.

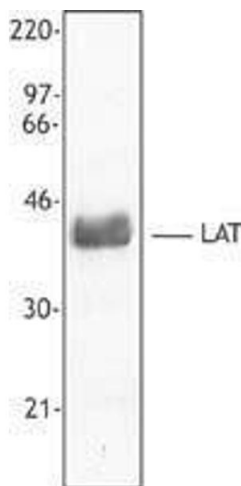
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

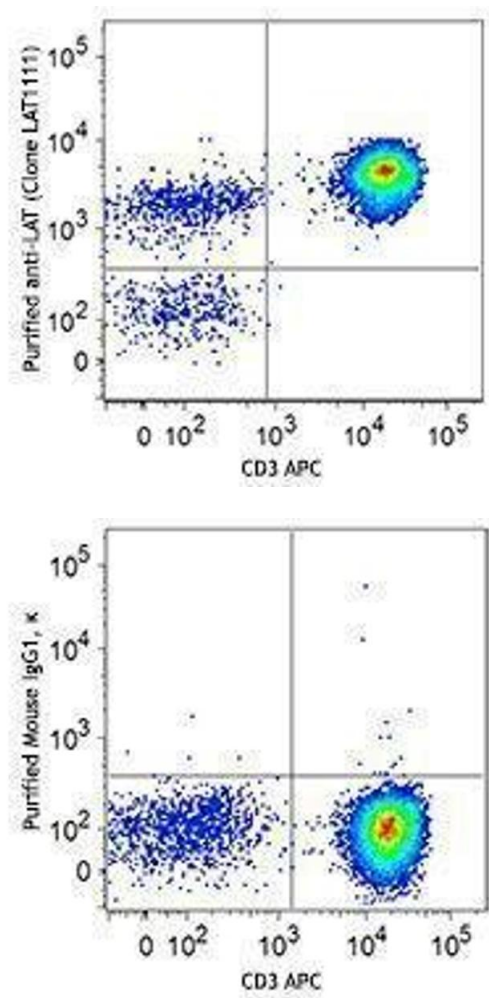
Storage Comment: Upon receipt, store between 2°C and 8°C.

Images



Western Blotting

Image 1.



Flow Cytometry

Image 2.

Flow Cytometry

Image 3.