

## Mouse anti-LAT, clone LAT-01 (Monoclonal)

Clone no. LAT-01

MONOSAN

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Product name	Mouse anti-LAT, clone LAT-01 (Monoclonal)
Host	Mouse
Applications	WB, IP, FC
Species reactivity	Human
Conjugate	-
Immunogen	Bacterially produced recombinant polypeptide corresponding to the entire cytoplasmic domain of human LAT.
Isotype	IgG1
Clonality	Monoclonal
Clone number	LAT-01
Size	0.1 mg
Concentration	1 mg/ml
Format	-
Storage buffer	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Storage until expiry date	2-8°C

FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES

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**Additional info**

LAT (linker for activation of T cells) is a 36-38 kDa double-palmitoylated transmembrane adaptor protein expressed by T cells, pre-B cells, NK cells, mast cells and platelets. After immunoreceptor triggering, LAT becomes multiply tyrosine-phosphorylated by Syk-, Src-, or Tec-family kinases, providing docking sites for downstream signaling molecules. LAT is essential for TCR-dependent T cell- and FcεRI-dependent mast cell activation, as well as for maturation of early thymocytes. It is also involved in NK cell signaling and platelet activation. Immunoprecipitation: Tyrosine-phosphorylated form of LAT is not optimally recognized. Flow cytometry: Recommended dilution: 1-4 µg/ml, intracellular staining. Tyrosine-phosphorylated form of LAT is not optimally recognized. Western blotting: Recommended dilution: 1-2 µg/ml.

**References**

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4. -
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