

# Immunotag™ Phospho-LAT (Tyr200) Antibody

Antibody Specification	
Catalog No.	ITA0687
Product Description	Immunotag™ Phospho-LAT (Tyr200) Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	Phospho-LAT (Tyr200)
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC
Recommended Dilution	WB 1:500-1:2000, IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human LAT around the phosphorylation site of Tyr200.
Specificity	Phospho-LAT (Tyr200) Antibody detects endogenous levels of LAT.
Purification	The antibody is from purified rabbit serum by affinity purification via sequential chromatography on phospho- and non-phospho-peptide affinity columns.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	LAT
Accession No.	O43561

## Antibody Specification

Alternate Names	36 kDa phospho tyrosine adapter protein; 36 kDa phospho-tyrosine adapter protein; 36 kDa phospho-tyrosine adaptor protein; LAT 1; lat; LAT_HUMAN; LAT1; Linker for activation of T cells; Linker for activation of T cells family member 1; linker for activation of T cells, transmembrane adaptor; Linker for activation of T-cells family member 1; p36 38; p36-38; pp36;
Description	Required for TCR (T-cell antigen receptor)- and pre-TCR-mediated signaling, both in mature T-cells and during their development. Involved in FCGR3 (low affinity immunoglobulin gamma Fc region receptor III)-mediated signaling in natural killer cells and FCER1 (high affinity immunoglobulin epsilon receptor)-mediated signaling in mast cells. Couples activation of these receptors and their associated kinases with distal intracellular events such as mobilization of intracellular calcium stores, PKC activation, MAPK activation or cytoskeletal reorganization through the recruitment of PLCG1, GRB2, GRAP2, and other signaling molecules.
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	36, 38kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.