

## Datasheet

### LAT monoclonal antibody (M01), clone 3B11-1D5

**Catalog Number:** H00027040-M01

**Regulatory Status:** For research use only (RUO)

**Product Description:** Mouse monoclonal antibody raised against a full length recombinant LAT.

**Clone Name:** 3B11-1D5

**Immunogen:** LAT (AAH11563, 1 a.a. ~ 233 a.a)  
full-length recombinant protein with GST tag. MW of the  
GST tag alone is 26 KDa.

**Sequence:**

```
MEEAILVPCVLGLLLLPILAMLMALCVHCHRLPGSYDST  
SSDSLPRGIQFKRPHTVAPWPPAYPPVTSYPPLSQP  
DLLPIPRSPQPLGGPHRTPSSRRDSDGANSVASYENE  
EPACEDADEDEDDYHNPGYLVVLPDSTPATSTAAPSA  
PALSTPGIRDSAFSMESIDYVNVPESGESAEASLDGS  
REYVNVSQELHPGAAKTEPAALSSQEAEEVEEEGAPD  
YENLQELN
```

**Host:** Mouse

**Reactivity:** Human

**Applications:** ELISA, IHC-P, S-ELISA, WB-Re  
(See our web site product page for detailed applications  
information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product  
page for detailed protocols

**Isotype:** IgG1 kappa

**Storage Buffer:** In 1x PBS, pH 7.4

**Storage Instruction:** Store at -20°C or lower. Aliquot to  
avoid repeated freezing and thawing.

**Entrez GeneID:** 27040

**Gene Symbol:** LAT

**Gene Alias:** LAT1, pp36

**Gene Summary:** The protein encoded by this gene is phosphorylated by ZAP-70/Syk protein tyrosine kinases following activation of the T-cell antigen receptor (TCR) signal transduction pathway. This transmembrane protein localizes to lipid rafts and acts as a docking site for SH2 domain-containing proteins. Upon phosphorylation, this protein recruits multiple adaptor proteins and downstream signaling molecules into multimolecular signaling complexes located near the site of TCR engagement. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]