

### 30-1249: Anti-NTAL / LAB Monoclonal Antibody (Clone:NAP-03)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	NAP-03
<b>Application :</b>	IP, WB, IHC
<b>Reactivity :</b>	Human
<b>Gene :</b>	LAT2
<b>Gene ID :</b>	7462
<b>Uniprot ID :</b>	Q9GZY6
<b>Format :</b>	Purified
<b>Alternative Name :</b>	LAT2,LAB,NTAL,WBS15,WBSCR15,WBSCR5,HSPC046
<b>Isotype :</b>	Mouse IgG2a
<b>Immunogen Information :</b>	Peptide corresponding to aa 196-212 of human NTAL coupled to KLH.

#### Description

NTAL (Non-T cell Activation Linker), also known as LAB (Linker for activation of B cells), is a 30 kDa double-palmitoylated transmembrane adaptor protein expressed by B cells, NK cells, mast cells and macrophages. It is a negative regulator of early stages of BCR-dependent B cell signaling and serves as a negative regulator also in mast cells. However, in mast cells, NTAL also contributes to some activation processes, partially overlapping with LAT function.

#### Product Info

<b>Amount :</b>	0.1 mg
<b>Purification :</b>	Purified by protein-A affinity chromatography
<b>Storage condition :</b>	Store at 2-8°C. Do not freeze.

#### Application Note

**Immunoprecipitation Western Blotting** *Recommended dilution:* 1-2  $\mu\text{g/ml}$ , incubation 60 min

*Positive control:* RAMOS human lymphoma cell line

*Sample preparation:* Resuspend approx. 50 mil. cells in 1 ml cold Lysis buffer (1% laurylmaltoside in 20 mM Tris/Cl, 100 mM NaCl pH 8.2, 50 mM NaF including Protease inhibitor Cocktail). Incubate 60 min on ice. Centrifuge to remove cell debris. Mix lysate with non-reducing SDS-PAGE sample buffer.

*Application note:* Non-Reducing conditions. 12% separating SDS-PAGE gel.

**Immunohistochemistry** *Recommended dilution:* 5  $\mu\text{g/ml}$

*Positive tissue:* tonsil, germinal center