

## Product datasheet for **SM3123P**

### NTAL (LAT2) Mouse Monoclonal Antibody [Clone ID: NAP-03]

#### Product data:

|                       |   |
|-----------------------|---|
| Product Type:         | Primary Antibodies  |
| Clone Name:           | NAP-03  |
| Applications:         | IHC, IP, WB   |
| Recommended Dilution: | Immunoprecipitation.<br>Western Blot: Recommended dilution: 1-2 mg/ml, incubation 60 min.<br>Positive control: RAMOS human lymphoma cell line.<br>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.<br>Application note: Non-Reducing conditions. 12% separating SDS-PAGE gel.<br>Immunohistochemistry (paraffin sections): Recommended dilution: 5 µg/ml, Positive tissue: tonsil, germinal center. |
| Reactivity:           | Human   |
| Host:                 | Mouse   |
| Isotype:              | IgG1  |
| Clonality:            | Monoclonal  |
| Immunogen:            | Peptide corresponding to aa 196-212 of human NTAL coupled to KLH  |
| Specificity:          | The antibody recognizes the defined epitope (aa 196-212) of Non-T cell activation linker (NTAL), also known as LAB (linker of activated B cells), a 30 kDa transmembrane adaptor protein present in membrane microdomains (rafts) of B cells, NK cells and myeloid cells.   |
| Formulation:          | Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4<br>State: Purified<br>State: Liquid Ig fraction   |
| Concentration:        | lot specific  |
| Purification:         | Protein A affinity chromatography; > 95 % (by SDS-PAGE)   |
| Conjugation:          | Unconjugated  |
| Storage:              | Store the antibody at 2 - 8 °C up to one month or (in aliquots) at -20 °C for longer. Avoid repeated freezing and thawing.  |



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| <b>Stability:</b>     | Shelf life: one year from despatch.  |
| <b>Gene Name:</b>     | linker for activation of T-cells family member 2   |
| <b>Database Link:</b> | <a href="#">Entrez Gene 7462 Human Q9GZY6</a>  |
| <b>Background:</b>    | <p>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.</p> <p>However, in mast cells, NTAL also contributes to some activation processes, partially overlapping with LAT function.</p> |
| <b>Synonyms:</b>      | LAB, NTAL, WBS15, WBSCR5, HSPC046  |