

#### DESCRIPTION

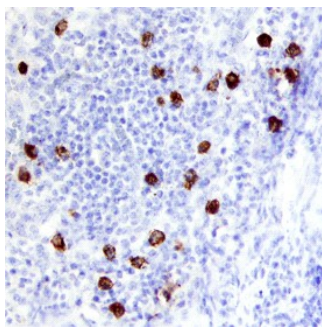
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human TCL1B in direct ELISAs. In direct ELISAs, less than 5% cross-reactivity with recombinant human TCL1A is observed.
<b>Source</b>	Polyclonal Goat IgG
<b>Purification</b>	Antigen Affinity-purified
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human TCL1B Ala2-Asp128 (Glu93Arg) Accession # O95988
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.

#### APPLICATIONS

**Please Note:** Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the [Technical Information](#) section on our website.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Immunohistochemistry</b>	5-15 µg/mL	See Below

#### DATA

<b>Immunohistochemistry</b>
 <p><b>TCL1B in Human Lymphoma.</b> TCL1B was detected in immersion fixed paraffin-embedded sections of human lymphoma using Goat Anti-Human TCL1B Antigen Affinity-purified Polyclonal Antibody (Catalog # AF6794) at 3 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Goat HRP-DAB Cell &amp; Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific staining was localized to cytoplasm. View our protocol for <a href="#">Chromogenic IHC Staining of Paraffin-embedded Tissue Sections</a>.</p>

#### PREPARATION AND STORAGE

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.2 mg/mL.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
<b>Stability &amp; Storage</b>	<b>Use a manual defrost freezer and avoid repeated freeze-thaw cycles.</b> <ul style="list-style-type: none"> <li>● 12 months from date of receipt, -20 to -70 °C as supplied.</li> <li>● 1 month, 2 to 8 °C under sterile conditions after reconstitution.</li> <li>● 6 months, -20 to -70 °C under sterile conditions after reconstitution.</li> </ul>

#### BACKGROUND

TCL1B (T cell leukemia protein 1B; also SYN1 and [p15]TML1) is a monomeric, 15 kDa (predicted) member of the TCL1 family of proteins. It is expressed in the embryo and syncytiotrophoblast, and interacts with Akt1 and Akt2 kinase, promoting their activation and the subsequent deactivation of proapoptotic molecules. Human TCL1B is 128 amino acids (aa) in length. There is no definitive structural motif that characterizes TCL1B, save for a unique β-barrel configuration. Full length human TCL1B shares less than 35% aa identity with five orthologous mouse TCL1B isoforms.