

## DESCRIPTION

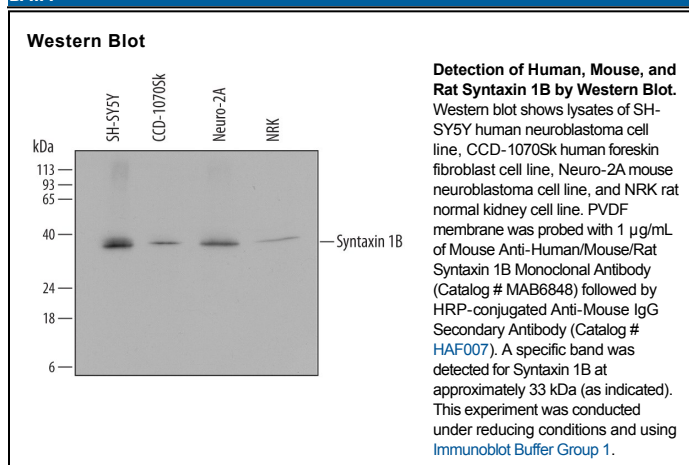
<b>Species Reactivity</b>	Human/Mouse/Rat
<b>Specificity</b>	Detects human Syntaxin 1B in direct ELISAs and Western blots. In direct ELISAs, 100% cross-reactivity with recombinant human (rh) Syntaxin 1A and 1B1 is observed, and no cross-reactivity with rhSyntaxin 5, 6, 7, 8, 12, or 16 is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>1</sub> Clone # 676204
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	<i>E. coli</i> -derived recombinant human Syntaxin 1B Lys2-Lys264 Accession # P61266
<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.

	Recommended Concentration	Sample
<b>Western Blot</b>	1 µg/mL	See Below

## DATA



## PREPARATION AND STORAGE

<b>Reconstitution</b>	Sterile PBS to a final concentration of 0.5 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

Syntaxin 1B/STX1B is an approximately 33 kDa member of the Syntaxin family. It is a single-pass type IV transmembrane protein that is potentially involved in the docking of synaptic vesicles at presynaptic active zones. The cytoplasmic domain of Syntaxin 1B contains a coiled-coil Syntaxin domain (aa 29-180) which is implicated in the docking of synaptic vesicles with the presynaptic plasma membrane and a t-SNARE coiled coil domain (aa 191-253). Within the cytoplasmic domain, human Syntaxin 1B shares 100% aa sequence identity with mouse and rat Syntaxin 1B.