

## DESCRIPTION

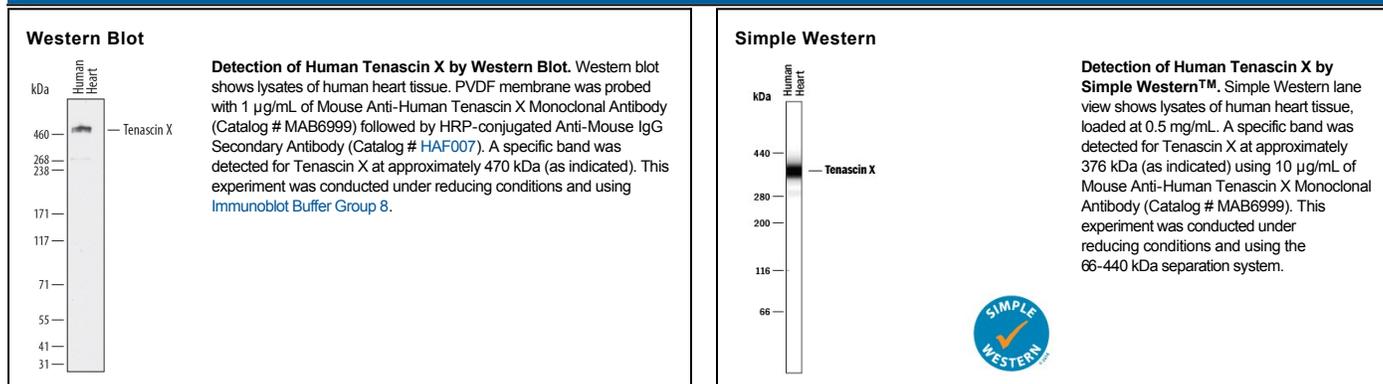
<b>Species Reactivity</b>	Human
<b>Specificity</b>	Detects human Tenascin XB2 in ELISAs and Western blots. Also detects Tenascin X in Western blots. In direct ELISAs, no cross-reactivity with recombinant human Tenascin R is observed.
<b>Source</b>	Monoclonal Mouse IgG <sub>2A</sub> Clone # 766842
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant human Tenascin XB2 Met1-Tyr673 Accession # AAH33740
<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
<b>Simple Western</b>	10 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

Tenascin XB2 (TN-XB2; also TN-XB-Short/S and tenascin-X isoform 2) is a 73-75 kDa member of the tenascin family of extracellular matrix molecules. It is expressed by adrenal gland, and represents the use of an intronic promoter that is tied to an internal start site within the TN-XB gene. A duplication of the TN-XB2 region has created a gene called TN-XA that codes for the same ORF but is not translated. Although TN-XB2 has been reported to bind to tropoelastin, plus collagens I, III and V, other studies using soluble fragments of TN-XB report only tropoelastin interaction. Human TN-XB2 is 673 amino acids (aa) in length. It contains four fibronectin type III repeats (aa 82-442), and one C-terminal fibrinogen-like globular region (aa 449-664). Antibodies to TN-XB2 recognize full-length 465 kDa Tenascin X (TN-XB), 75 kDa and 140-150 kDa C-terminal fragments. Although human TN-XB2 shares 84% aa identity with full-length mouse TN-XB in its C-terminus, there does not appear to be an equivalent alternative start site in the mouse gene.