

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Thrombospondin-4 in ELISA.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 893655
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Chinese hamster ovary cell line CHO-derived recombinant mouse Thrombospondin-4 Met1-Asn963 Accession # Q9Z1T2
<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.

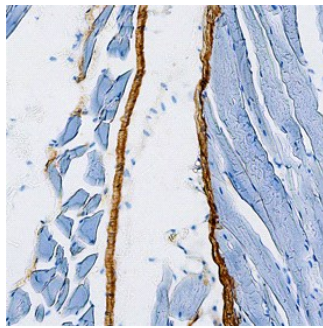
## APPLICATIONS

**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>Immunohistochemistry</b>	8-25 µg/mL	See Below

## DATA

### Immunohistochemistry



#### Thrombospondin-4 in Mouse Connective Tissue.

Thrombospondin-4 was detected in perfusion fixed frozen sections of mouse connective tissue using Rat Anti-Mouse Thrombospondin-4 Monoclonal Antibody (Catalog # MAB7860) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Rat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS017) and counterstained with hematoxylin (blue). Specific staining was localized to connective tissue. View our protocol for [Chromogenic IHC Staining of Frozen Tissue Sections](#).

## PREPARATION AND STORAGE

<b>Reconstitution</b>	Reconstitute at 0.5 mg/mL in sterile PBS.
<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

Mouse Thrombospondin-4 (TSP-4) is a 120-130 kDa adhesive glycoprotein that belongs to the thrombospondin family of proteins. It is 963 amino acids (aa) in length and highly modular in structure, containing one Lamnin G-like domain, four EGF-like domains and eight type 3 TSP domains. It circulates as a disulfide-linked homopentamer, and is up-regulated in the heart in response to ischemic injury and pathology. Mature mouse TSP-4 is 93% aa identical to human TSP4.