

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse Thrombospondin-4 in direct ELISAs and Western blots. In direct ELISAs, approximately 10% cross-reactivity with recombinant human Thrombospondin-4 is observed, and less than 1% cross-reactivity with recombinant mouse Thrombospondin-1 is observed.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant mouse Thrombospondin-4 Gln27-Asn963 (predicted) Accession # Q9Z1T2
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

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.

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