

ARG62638
anti-TSP1 / Thrombospondin 1 antibody [A4.1]

Package: 100 µl

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [A4.1] recognizes TSP1 / Thrombospondin 1
Tested Reactivity	Hu, Bov
Tested Application	FACS, FuncSt, ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	A4.1
Isotype	IgM
Target Name	TSP1 / Thrombospondin 1
Immunogen	Calcium-replete, native purified human TSP from the supernatant of thrombin activated platelets.
Conjugation	Un-conjugated
Alternate Names	TSP1; THBS; THBS-1; Thrombospondin-1; TSP-1; TSP

Application Instructions

Application Note	WB: 1 - 2 µg/ml * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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Properties

Form	Liquid
Purification	Purified from ascites fluid by ammonium sulfate precipitation.
Buffer	10mM PBS (pH 7.4), 0.2% BSA and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Stabilizer	0.2% BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 281530 Bovine
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[GeneID: 7057 Human](#)

[Swiss-port # P07996 Human](#)

[Swiss-port # Q28178 Bovine](#)

Gene Symbol	THBS1
Gene Full Name	thrombospondin 1
Background	The protein encoded by this gene is a subunit of a disulfide-linked homotrimeric protein. This protein is an adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. This protein can bind to fibrinogen, fibronectin, laminin, type V collagen and integrins alpha-V/beta-1. This protein has been shown to play roles in platelet aggregation, angiogenesis, and tumorigenesis. [provided by RefSeq, Jul 2008]
Function	Adhesive glycoprotein that mediates cell-to-cell and cell-to-matrix interactions. Binds heparin. May play a role in dentinogenesis and/or maintenance of dentin and dental pulp (By similarity). Ligand for CD36 mediating antiangiogenic properties. Plays a role in ER stress response, via its interaction with the activating transcription factor 6 alpha (ATF6) which produces adaptive ER stress response factors (By similarity). [UniProt]
Research Area	Cancer antibody; Cell Biology and Cellular Response antibody; Developmental Biology antibody; Metabolism antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	129 kDa