

Mouse TSP-1 Antibody Pair Set

Catalog No.	E-KAB-0341	Applications	ELISA
Synonyms	THBS1 , THBS-1, TSP, TSP1, Thrombospondin-1p180		

Kit components & Storage

Title	Specifications	Storage
Mouse TSP-1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse TSP-1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

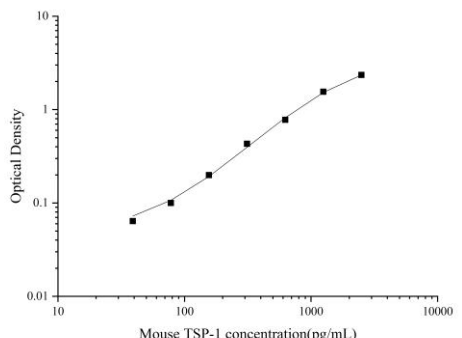
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0341)	
		Mouse TSP-1 Capture Antibody	Mouse TSP-1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse TSP-1 protein	Recombinant Mouse TSP-1 protein
	Swissprot	P35441	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Rat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A or G	Protein A or G
	Specificity	Detects Mouse TSP-1 in ELISAs.	

Applications

Mouse TSP-1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Mouse TSP-1 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse TSP-1 concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (concentration) ranges from 10 to 10000. The data points form a smooth, upward-sloping curve, indicating a positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse TSP-1 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.15</td> </tr> <tr> <td>1000</td> <td>0.5</td> </tr> <tr> <td>10000</td> <td>1.5</td> </tr> </tbody> </table>	Mouse TSP-1 concentration (pg/mL)	Optical Density	10	0.05	100	0.15	1000	0.5	10000	1.5
Mouse TSP-1 concentration (pg/mL)	Optical Density												
10	0.05												
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1000	0.5												
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ELISA Detection	1:1000-1:10000	Mouse TSP-1 Detection Antibody (Biotin)											

Note: This standard curve is only for demonstration purposes. A standard curve should be generated for each assay!

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.