

## Human TSP-1 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0223	<b>Applications</b>	ELISA
<b>Synonyms</b>	THBS1 , THBS-1, TSP, TSP1, Thrombospondin-1p180		

### Kit components & Storage

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

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

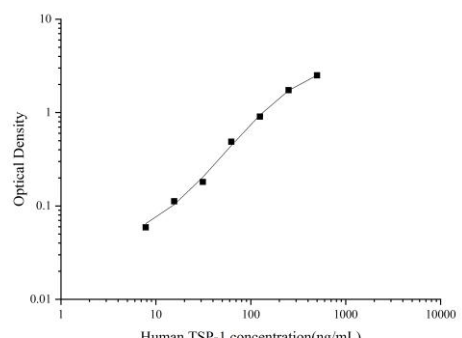
### Product Information

Items		Characteristic (E-KAB-0223)	
		Human TSP-1 Capture Antibody	Human TSP-1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human TSP-1 protein	Recombinant Human TSP-1 protein
	Swissprot	P07996	
Product details	Reactivity	Human	Human
	Host	Mouse	Goat
	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	Antigen Affinity
	Specificity	Detects Human TSP-1 in ELISAs.	

### For Research Use Only

## Applications

### Human TSP-1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4μg/mL	Human TSP-1 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Human TSP-1 concentration (ng/mL)</th><th>Optical Density</th></tr></thead><tbody><tr><td>10</td><td>0.05</td></tr><tr><td>20</td><td>0.1</td></tr><tr><td>50</td><td>0.2</td></tr><tr><td>100</td><td>0.5</td></tr><tr><td>200</td><td>1.0</td></tr><tr><td>500</td><td>2.0</td></tr><tr><td>1000</td><td>3.0</td></tr></tbody></table>	Human TSP-1 concentration (ng/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.5	200	1.0	500	2.0	1000	3.0
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ELISA Detection	1:1000-1:10000	Human 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.

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