

Human TIMP-4 Antibody Pair Set

Catalog No. E-KAB-0438

Applications

ELISA

Synonyms TIMP4

Kit components & Storage

Title	Specifications	Storage
Human TIMP-4 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human TIMP-4 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-0438)	
		Human TIMP-4 Capture Antibody	Human TIMP-4 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human TIMP-4 protien	Recombinant Human TIMP-4 protien
	Swissprot	Q99727	
Product details	Reactivity	Human	Human
	Host	Goat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human TIMP-4 in ELISAs.	

Applications

Human TIMP-4 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human TIMP-4 Capture Antibody	<table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human TIMP-4 Concentration (pg/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>0.4</td></tr> <tr><td>200</td><td>0.8</td></tr> <tr><td>500</td><td>1.5</td></tr> <tr><td>1000</td><td>3.0</td></tr> </tbody> </table>	Human TIMP-4 Concentration (pg/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.4	200	0.8	500	1.5	1000	3.0
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ELISA Detection	1:1000-1:10000	Human TIMP-4 Detection Antibody (Biotin)																	

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

Background

This gene belongs to the TIMP gene family. The proteins encoded by this gene family are inhibitors of the matrix metalloproteinases, a group of peptidases involved in degradation of the extracellular matrix. The secreted, netrin domain-containing protein encoded by this gene is involved in regulation of platelet aggregation and recruitment and may play role in hormonal regulation and endometrial tissue remodeling.