

Human ADAM10 Antibody Pair Set

Catalog No.	E-KAB-0259	Applications	ELISA
Synonyms	AD10, CD156c, CDw156, HsT18717, MADM, kuz, ADAM metallopeptidase domain 10		

Kit components & Storage

Title	Specifications	Storage
Human ADAM10 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Human ADAM10 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

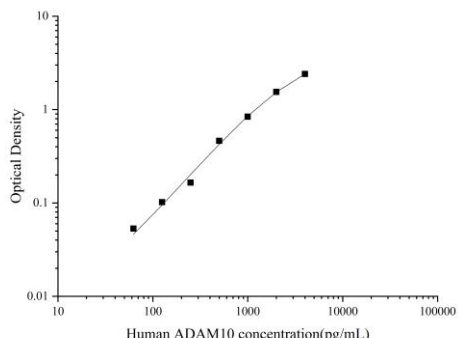
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0259)	
		Human ADAM10 Capture Antibody	Human ADAM10 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human ADAM10 protein	Recombinant Human ADAM10 protein
	Swissprot	O14672	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	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 Human ADAM10 in ELISAs.	

Applications

Human ADAM10 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human ADAM10 Capture Antibody	 <p>The graph is a log-log plot. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The x-axis is labeled 'Human ADAM10 concentration(pg/mL)' and ranges from 10 to 100000. Six data points are plotted, showing a clear upward trend. A straight line is drawn through the points, indicating a linear relationship on the log-log scale.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human ADAM10 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>50</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.1</td> </tr> <tr> <td>200</td> <td>0.2</td> </tr> <tr> <td>500</td> <td>0.5</td> </tr> <tr> <td>1000</td> <td>1.0</td> </tr> <tr> <td>2000</td> <td>2.0</td> </tr> </tbody> </table>	Human ADAM10 concentration (pg/mL)	Optical Density	50	0.05	100	0.1	200	0.2	500	0.5	1000	1.0	2000	2.0
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ELISA Detection	1:1000-1:10000	Human ADAM10 Detection Antibody (Biotin)															

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

Background

Members of the ADAM family are cell surface proteins with a unique structure possessing both potential adhesion and protease domains. This gene encodes an ADAM family member that cleaves many proteins including TNF-alpha and E-cadherin. Cleaves the membrane-bound precursor of TNF-alpha at '76-Ala-|-Val-77' to its mature soluble form. Responsible for the proteolytic release of soluble JAM3 from endothelial cells surface. Responsible for the proteolytic release of several other cell-surface proteins, including heparin-binding epidermal growth-like factor, ephrin-A2 and for constitutive and regulated alpha-secretase cleavage of amyloid precursor protein (APP).