

## Human ADAM12 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0711	<b>Applications</b>	ELISA
<b>Synonyms</b>	MCMP;MCMPItna;MLTN;MLTNA;Meltrin Alpha;Disintegrin and metalloproteinase domain-containing protein 12		

### Kit components & Storage

Title	Specifications	Storage
Human ADAM12 Capture Antibody	1 vial, 100 µg	Store at -20°C. Avoid freeze / thaw cycles.
Human ADAM12 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C. Avoid freeze / thaw cycles.

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

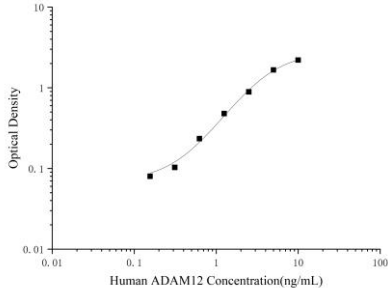
### Product Information

Items		Characteristic (E-KAB-0711)	
		Human ADAM12 Capture Antibody	Human ADAM12 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human ADAM12 protein	Recombinant Human ADAM12 protein
	Swissprot	O43184	
Product details	Reactivity	Human	Human
	Host	Sheep	Rabbit
	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	Affinity purification	Protein A & Antigen Affinity
Specificity	Detects Human ADAM12 in ELISAs.		

### For Research Use Only

## Applications

Human ADAM12 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																				
ELISA Capture	0.5-4ug/mL	Human ADAM12 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Human ADAM12 Concentration (ng/mL). The x-axis ranges from 0.01 to 100 ng/mL, and the y-axis ranges from 0.01 to 10. 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>Human ADAM12 Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.1</td> <td>0.1</td> </tr> <tr> <td>0.2</td> <td>0.15</td> </tr> <tr> <td>0.5</td> <td>0.3</td> </tr> <tr> <td>1</td> <td>0.5</td> </tr> <tr> <td>2</td> <td>0.8</td> </tr> <tr> <td>5</td> <td>1.5</td> </tr> <tr> <td>10</td> <td>2.5</td> </tr> <tr> <td>20</td> <td>4.0</td> </tr> <tr> <td>50</td> <td>6.0</td> </tr> </tbody> </table>	Human ADAM12 Concentration (ng/mL)	Optical Density	0.1	0.1	0.2	0.15	0.5	0.3	1	0.5	2	0.8	5	1.5	10	2.5	20	4.0	50	6.0
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ELISA Detection	1:1000-1:10000	Human ADAM12 Detection Antibody (Biotin)																					

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

## Background

Involved in skeletal muscle regeneration, specifically at the onset of cell fusion. Also involved in macrophage-derived giant cells (MGC) and osteoclast formation from mononuclear precursors. Isoform 1 is expressed in placenta and skeletal, cardiac, and smooth muscle. Isoform 2 seems to be expressed only in placenta or in embryo and fetus. Both forms were expressed in some tumor cell lines.