

Human HTRA1 Antibody Pair Set

Catalog No.	E-KAB-0499	Applications	ELISA
Synonyms	ARMD7;CARASIL;HtrA;L56;ORF480;PRSS11		

Kit components & Storage

Title	Specifications	Storage
Human HTRA1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Human HTRA1 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-0499)	
		Human HTRA1 Capture Antibody	Human HTRA1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human HTRA1 protien	Recombinant Human HTRA1 protien
	Swissprot	Q92743	
Product details	Reactivity	Human	Human
	Host	Rat	Rat
	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	Protein A or G	Protein A or G
	Specificity	Detects Human HTRA1 in ELISAs.	

Applications

Human HTRA1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Human HTRA1 Capture Antibody	<table border="1"> <caption>Standard Curve Data (Approximate)</caption> <thead> <tr> <th>Human HTRA1 Concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>1</td><td>0.08</td></tr> <tr><td>2</td><td>0.15</td></tr> <tr><td>5</td><td>0.3</td></tr> <tr><td>10</td><td>0.5</td></tr> <tr><td>20</td><td>0.8</td></tr> <tr><td>50</td><td>1.5</td></tr> <tr><td>100</td><td>2.5</td></tr> </tbody> </table>	Human HTRA1 Concentration (ng/mL)	Optical Density	1	0.08	2	0.15	5	0.3	10	0.5	20	0.8	50	1.5	100	2.5
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ELISA Detection	1:1000-1:10000	Human HTRA1 Detection Antibody (Biotin)																	

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

Background

This gene encodes a member of the trypsin family of serine proteases. This protein is a secreted enzyme that is proposed to regulate the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. It has also been suggested to be a regulator of cell growth. Variations in the promoter region of this gene are the cause of susceptibility to age-related macular degeneration type 7.