

Human KIM-1 Antibody Pair Set

Catalog No.	E-KAB-0171	Applications	ELISA
Synonyms	HAVCR1, HAVCR, HAVCR-1, KIM-1, KIM1, TIM, TIM-1, TIM1, TIMD-1, TIMD1		

Kit components & Storage

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

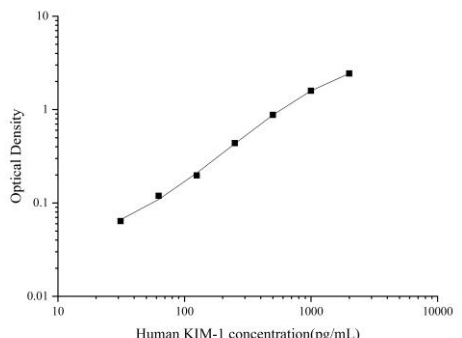
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0171)	
		Human KIM-1 Capture Antibody	Human KIM-1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human KIM-1 protein	Recombinant Human KIM-1 protein
	Swissprot	Q96D42	
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 KIM-1 in ELISAs.	

Applications

Human KIM-1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Human KIM-1 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 KIM-1 concentration(pg/mL)' and ranges from 10 to 10000. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration of Human KIM-1 and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human KIM-1 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>0.8</td> </tr> <tr> <td>10000</td> <td>3.0</td> </tr> </tbody> </table>	Human KIM-1 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	0.8	10000	3.0
Human KIM-1 concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	0.8												
10000	3.0												
ELISA Detection	1:1000-1:10000	Human KIM-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 membrane receptor for both human hepatitis A virus (HHAV) and TIMD4. The encoded protein may be involved in the moderation of asthma and allergic diseases. The reference genome represents an allele that retains a MTTVP amino acid segment that confers protection against atopy in HHAV seropositive individuals. Three transcript variants encoding the same protein have been found for this gene.