Elabscience®

Rat KIM-1 Antibody Pair Set

Catalog No.	E-KAB-0107	Applications	ELISA
Synonyms	HAVCR1, HAVCR, HAV	CR-1, KIM-1, KIM1, TIM, TIM	M-1, TIM1, TIMD-1, TIMD1

Kit components & Storage

Title	Specifications	Storage
Rat KIM-1 Capture Antibody	1 vial, 100 µ g	Store at -20° C for one year.
		Avoid freeze / thaw cycles.
Rat 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-0107)		
		Rat KIM-1 Capture Antibody	Rat KIM-1 Detection Antibody	
			(Biotin)	
Immunogen	Immunogen	Recombinant Rat KIM-1 protein	Recombinant Rat KIM-1 protein	
Information	Swissprot	O54947		
Product details	Reactivity	Rat	Rat	
	Host	Mouse	Goat	
	Conjugation	Unconjugated	Biotin	
	Concentration	0.5mg/mL	/	
	Buffer	PBS with 0.04% Proclin 300, 50%	PBS with 0.04% Proclin 300, 1%	
		glycerol, pH 7.4	protective protein, 50% glycerol, pH	
			7.4	
	Purify	Protein A or G	Antigen Affinity	
	Specificity	Detects Rat KIM-1 in ELISAs.		

For Research Use Only

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Applications

Rat KIM-1 Sandwich ELISA Assay:

	Recommended	Reagent	Images	
	Concentration/Dilution			
ELISA	0.5-4µg/mL	Rat KIM-1 Capture Antibody		
Capture				
ELISA Detection	1:1000-1:10000	Rat KIM-1 Detection Antibody (Biotin)	Optical Density	
			0.01 1 10 100 0.1 Rat KIM-1 concentration(ng/mL)	

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

Background

KIM-1, also known as Kidney Injury Molecule 1 and Hepatitis A virus cellular receptor 1 homolog (HAVcr-1), or T-cell immunoglobulin and mucin domain 1 (TIM-1) is a 283 amino acid protein that contains an N-terminal immunoglobulin-like domain and is encoded by the HAVCR1 gene. KIM-1 is a single-pass type 1 membrane protein has been identified as a receptor for hepatitis A virus. The TIM gene family participates in host immune response. Urinary KIM-1 levels are elevated in nephropathy and is thought to be a biomarker for renal damage.