Human GP39 Antibody Pair Set

Catalog No. E-KAB-0419 **Applications** ELISA
Synonyms ASRT7;CGP-39;CHI3L1;HC-gp39;YKL-4;YYL-4

Kit components & Storage

Title	Specifications	Storage
Human GP39 Capture Antibody	1 vial, 100 μg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Human GP39 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20℃ for one year. Avoid freeze/thaw cycles.

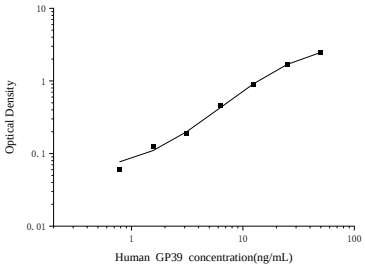
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0419)	
		Human GP39 Capture Antibody	Human GP39 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human GP39 protien	Recombinant Human GP39 protien
	Swissprot	NP_001267.2	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Human GP39 in ELISAs.	

Applications

Human GP39 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μg/mL	Human GP39 Capture Antibody	
ELISA Detection	1:1000-1:10000	Human GP39 Detection Antibody (Biotin)	

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

Background

Chitinases catalyze the hydrolysis of chitin , which is an abundant glycopolymer found in insect exoskeletons and fungal cell walls. The glycoside hydrolase 18 family of chitinases includes eight human family members. This gene encodes a glycoprotein member of the glycosyl hydrolase 18 family. The protein lacks chitinase activity and is secreted by activated macrophages , chondrocytes , neutrophils and synovial cells. The protein is thought to play a role in the process of inflammation and tissue remodeling.