

## Mouse CHI3L1 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0601	<b>Applications</b>	ELISA
<b>Synonyms</b>	YKL-40;ASRT7;GP39;CGP-39;HC-gp39;YYL-40		

### Kit components & Storage

Title	Specifications	Storage
Mouse CHI3L1 Capture Antibody	1 vial, 100 µg	Store at -20℃ for one year. Avoid freeze/thaw cycles.
Mouse CHI3L1 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.

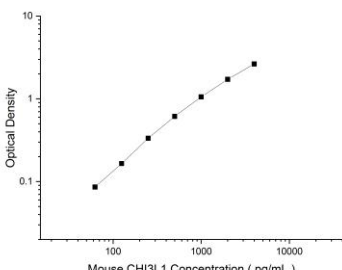
### Product Information

Items		Characteristic (E-KAB-0601)	
		Mouse CHI3L1 Capture Antibody	Mouse CHI3L1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse CHI3L1 protien	Recombinant Mouse CHI3L1 protien
	Swissprot	Q61362	
Product details	Reactivity	Mouse	Mouse
	Host	Sheep	Sheep
	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 Mouse CHI3L1 in ELISAs.	

### For Research Use Only

## Applications

### Mouse CHI3L1 Sandwich ELISA Assay

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Mouse CHI3L1 Capture Antibody	
ELISA Detection	1:1000-1:10000	Mouse CHI3L1 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.