

Human IL-1 β Antibody Pair Set

Catalog No.	E-KAB-0443	Applications	ELISA
Synonyms	IL1B;IL1-BETA;IL1F2;catabolin		

Kit components & Storage

Title	Specifications	Storage
Human IL-1 β Capture Antibody	1 vial, 100 μ g	Store at -20 $^{\circ}$ C for one year. Avoid freeze/thaw cycles.
Human IL-1 β Detection Antibody (Biotin)	1 vial, 50 μ L	Store at -20 $^{\circ}$ C for one year. Avoid freeze/thaw cycles.

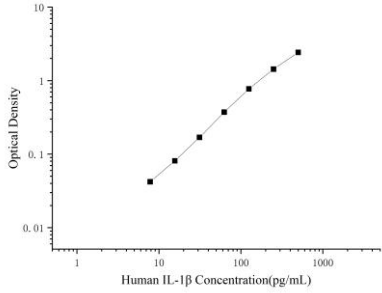
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0443)	
		Human IL-1 β Capture Antibody	Human IL-1 β Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human IL-1 β protien	Recombinant Human IL-1 β protien
	Swissprot	P01584	
Product details	Reactivity	Human	Human
	Host	Mouse	Mouse
	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 IL-1 β in ELISAs.	

Applications

Human IL-1 β Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 μ g/mL	Human IL-1 β Capture Antibody	
ELISA Detection	1:1000-1:10000	Human IL-1 β Detection Antibody (Biotin)	

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

Background

There are two genes for interleukin-1 : IL-1 alpha and IL-1 beta. IL-1 β precursor is cleaved by cytosolic caspase 1 (interleukin 1 beta convertase) to form mature IL-1 β . The multiple biologic activities that define IL1 are properties of a 15- to 18-kD p