

Rat IL-6R Antibody Pair Set

Catalog No.	E-KAB-0652	Applications	ELISA
Synonyms	IL6R;CD126;IL-6R-1;IL-6R-Alpha;IL6Q;IL6RA;IL6RQ;gp80		

Kit components & Storage

Title	Specifications	Storage
Rat IL-6R Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Rat IL-6R Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

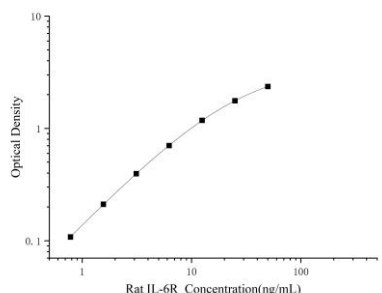
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0652)	
		Rat IL-6R Capture Antibody	Rat IL-6R Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat IL-6R protein	Recombinant Rat IL-6R protein
	Swissprot	P22273	
Product details	Reactivity	Rat	Rat
	Host	Goat	Goat
	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 Rat IL-6R in ELISAs.	

Applications

Rat IL-6R Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4 µg/mL	Rat IL-6R Capture Antibody	
ELISA Detection	1:1000-1:10000	Rat IL-6R Detection Antibody (Biotin)	

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

Background

Part of the receptor for interleukin 6. Binds to IL6 with low affinity;but does not transduce a signal. Signal activation necessitate an association with IL6ST. Activation leads to the regulation of the immune response;acute-phase reactions and hematopoiesis. The interaction with membrane-bound IL6R and IL6ST stimulates 'classic signaling';the restricted expression of the IL6R limits classic IL6 signaling to only a few tissues such as the liver and some cells of the immune system. Whereas the binding of IL6 and soluble IL6R to IL6ST stimulates 'trans-signaling'. Alternatively;'cluster signaling' occurs when membrane-bound IL6:IL6R complexes on transmitter cells activate IL6ST receptors on neighboring receiver cells.