

Rat IL-1R2 Antibody Pair Set

Catalog No.	E-KAB-0384	Applications	ELISA
Synonyms	IL1R2, CD121b, CDw121b, IL-1R-2, IL-1RT-2, IL-1RT2, IL1R2c, IL1RB		

Kit components & Storage

Title	Specifications	Storage
Rat IL-1R2 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Rat IL-1R2 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

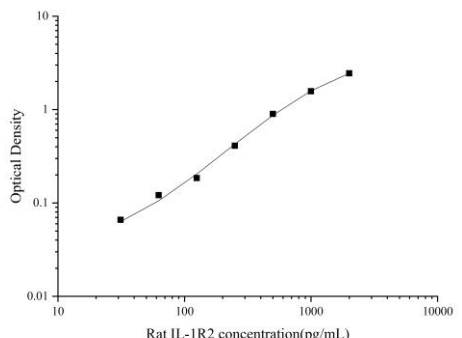
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0384)	
		Rat IL-1R2 Capture Antibody	Rat IL-1R2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Rat IL-1R2 protein	Recombinant Rat IL-1R2 protein
	Swissprot	P43303	
Product details	Reactivity	Rat	Rat
	Host	Rabbit	Mouse
	Conjugation	Unconjugated	Biotin
	Concentration	0.5mg/mL	/
	Buffer	PBS with 0.04% Proclin 300, 50% glycerol, pH 7.4	PBS with 0.04% Proclin 300, 1% protective protein, 50% glycerol, pH 7.4
	Purify	Protein A	Protein A
	Specificity	Detects Rat IL-1R2 in ELISAs.	

Applications

Rat IL-1R2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Rat IL-1R2 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Rat IL-1R2 concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (Rat IL-1R2 concentration) ranges from 10 to 10000. The data points form a smooth, upward-sloping curve, indicating a positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Rat IL-1R2 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>1.0</td> </tr> <tr> <td>10000</td> <td>5.0</td> </tr> </tbody> </table>	Rat IL-1R2 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	1.0	10000	5.0
Rat IL-1R2 concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	1.0												
10000	5.0												
ELISA Detection	1:1000-1:10000	Rat IL-1R2 Detection Antibody (Biotin)											

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

Background

Interleukin-1 receptor type 2 (IL-1R2, also known as CD121b) is a cytokine receptor that belongs to the interleukin 1 receptor family. IL-1R2 binds interleukin alpha (IL-1A), interleukin beta (IL-1B), and interleukin 1 receptor, type I (IL-1R1/IL-1RA), and acts as a decoy receptor that inhibits the activity of its ligands. It exists in both a membrane bound and soluble form. Soluble molecules are found in cell culture supernatant and in biological fluids under several physiopathological conditions.