

Mouse IFN- γ R1 Antibody Pair Set

Catalog No.	E-KAB-0117	Applications	ELISA
Synonyms	Interferon gamma receptor 1,IFNGR1,INGR1,IFN-gamma receptor 1,IFN-gamma-R1,CDw119,Interferon gamma receptor alpha-chain,IFN-gamma-R-alpha,CD119		

Kit components & Storage

Title	Specifications	Storage
Mouse IFN- γ R1 Capture Antibody	1 vial, 100 μ g	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse IFN- γ R1 Detection Antibody (Biotin)	1 vial, 50 μ L	Store at -20°C for one year. Avoid freeze / thaw cycles.

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

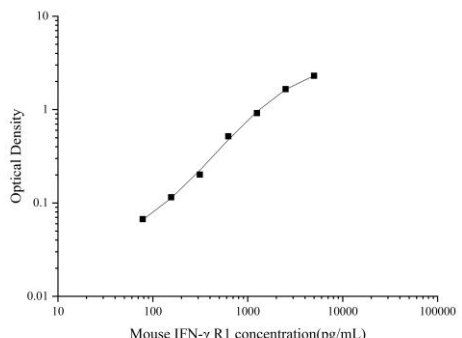
Product Information

Items		Characteristic (E-KAB-0117)	
		Mouse IFN- γ R1 Capture Antibody	Mouse IFN- γ R1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IFN- γ R1 protein	Recombinant Mouse IFN- γ R1 protein
	Swissprot	P15261	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Goat
	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 or G	Antigen Affinity
Specificity	Detects Mouse IFN- γ R1 in ELISAs.		

For Research Use Only

Applications

Mouse IFN- γ R1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 μ g/mL	Mouse IFN- γ R1 Capture Antibody	 <p>The graph displays a standard curve for the Mouse IFN-γ R1 Sandwich ELISA Assay. The x-axis represents Mouse IFN-γ R1 concentration in pg/mL, ranging from 10 to 100,000 on a logarithmic scale. The y-axis represents Optical Density, ranging from 0.01 to 10 on a logarithmic scale. The data points show a clear upward trend, indicating that as the concentration of Mouse IFN-γ R1 increases, the optical density also increases.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse IFN-γ R1 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0.08</td> </tr> <tr> <td>200</td> <td>0.12</td> </tr> <tr> <td>500</td> <td>0.25</td> </tr> <tr> <td>1000</td> <td>0.4</td> </tr> <tr> <td>2000</td> <td>0.6</td> </tr> <tr> <td>5000</td> <td>1.2</td> </tr> <tr> <td>10000</td> <td>1.8</td> </tr> </tbody> </table>	Mouse IFN- γ R1 concentration (pg/mL)	Optical Density	100	0.08	200	0.12	500	0.25	1000	0.4	2000	0.6	5000	1.2	10000	1.8
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ELISA Detection	1:1000-1:10000	Mouse IFN- γ R1 Detection Antibody (Biotin)																	

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

Background

This gene (IFNGR1) encodes the ligand-binding chain (alpha) of the gamma interferon receptor. Human interferon-gamma receptor is a heterodimer of IFNGR1 and IFNGR2. A genetic variation in IFNGR1 is associated with susceptibility to *Helicobacter pylori* infection. In addition, defects in IFNGR1 are a cause of mendelian susceptibility to mycobacterial disease, also known as familial disseminated atypical mycobacterial infection.