

Mouse IL-2 Antibody Pair Set

Catalog No. E-KAB-0083

Applications

ELISA

Synonyms IL2, TCGF, Lymphokine

Kit components & Storage

Title	Specifications	Storage
Mouse IL-2 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse IL-2 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.

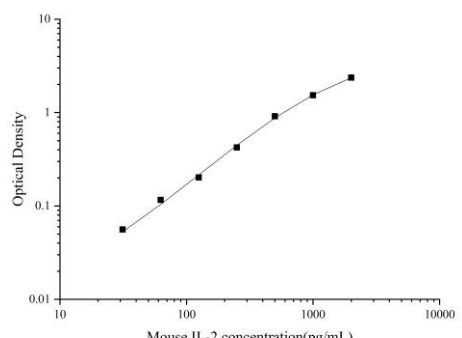
Product Information

Items		Characteristic (E-KAB-0083)	
		Mouse IL-2 Capture Antibody	Mouse IL-2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IL-2 protein	Recombinant Mouse IL-2 protein
	Swissprot	P04351	
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 IL-2 in ELISAs.	

For Research Use Only

Applications

Mouse IL-2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4μg/mL	Mouse IL-2 Capture Antibody	 <table><caption>Approximate data points from the standard curve</caption><thead><tr><th>Mouse IL-2 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>	Mouse IL-2 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	1.0	10000	5.0
Mouse IL-2 concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	1.0												
10000	5.0												
ELISA Detection	1:1000-1:10000	Mouse IL-2 Detection Antibody (Biotin)											

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

Background

IL2 is a secreted cytokine involved in the operation and regulation of immune system. IL2 plays a pivotal role in T-cell activation and effector functions, including T cell proliferation, interferon- γ production and cytotoxicity. IL2 can stimulate the propagation of lymphocytes and induce the cytotoxic T lymphocytes and lymphokine-activated killer cells for tumor cells. IL2 also influences memory T cell homeostasis through the regulation of memory T cell numbers and enhances major histocompatibility complex II (MHC II) expression on tumor cells.

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