

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.

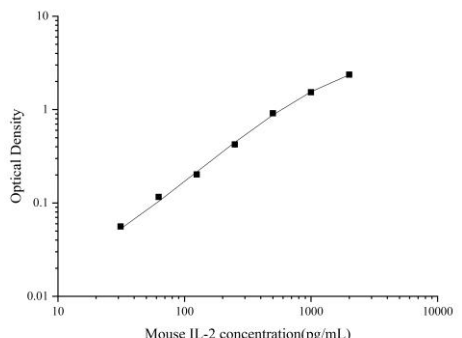
Note: Centrifuge before opening to ensure complete recovery of vial contents.

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.	

Applications

Mouse IL-2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images
ELISA Capture	0.5-4µg/mL	Mouse IL-2 Capture Antibody	 <p>The graph is a log-log plot. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The x-axis is labeled 'Mouse IL-2 concentration(pg/mL)' and ranges from 10 to 10000. There are six data points plotted as black squares, connected by a solid line. The points are approximately at (30, 0.05), (50, 0.1), (100, 0.2), (200, 0.4), (500, 0.8), and (1000, 1.5).</p>
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.