

## Mouse IL-10 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0079	<b>Applications</b>	ELISA
<b>Synonyms</b>	IL10, IL10A, CSIF, TGIF		

### Kit components & Storage

Title	Specifications	Storage
Mouse IL-10 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse IL-10 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

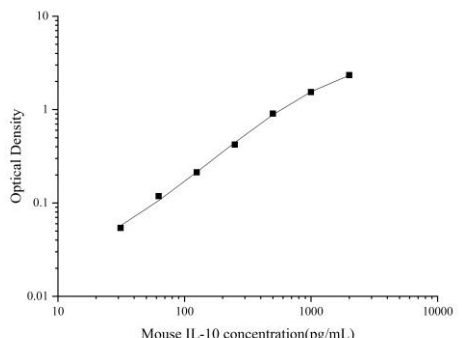
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0079)	
		Mouse IL-10 Capture Antibody	Mouse IL-10 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IL-10 protein	Recombinant Mouse IL-10 protein
	Swissprot	P18893	
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-10 in ELISAs.	

## Applications

Mouse IL-10 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Mouse IL-10 Capture Antibody	 <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse IL-10 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>0.8</td> </tr> <tr> <td>10000</td> <td>3.0</td> </tr> </tbody> </table>	Mouse IL-10 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	0.8	10000	3.0
Mouse IL-10 concentration (pg/mL)	Optical Density												
10	0.05												
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ELISA Detection	1:1000-1:10000	Mouse IL-10 Detection Antibody (Biotin)											

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

## Background

This gene encodes an anti-inflammatory cytokine that is a member of the class-2 cytokine family. The encoded protein is secreted by cells of both the innate and adaptive immune systems and is crucial for limiting the immune response to a broad range of pathogens. It also has been shown to suppress autoimmune responses. This protein mediates its immunosuppressive signal through a specific interleukin 10 receptor complex. Aberrant functioning of this gene is associated with numerous immune disorders including graft-versus-host disease, and increased susceptibility to HIV-1 infection and rheumatoid arthritis.