

## Mouse IL-6 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0548	<b>Applications</b>	ELISA
<b>Synonyms</b>	IL6;BSF2;HGF;HSF;IFNB2;CDF		

### Kit components & Storage

Title	Specifications	Storage
Mouse IL-6 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Mouse IL-6 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

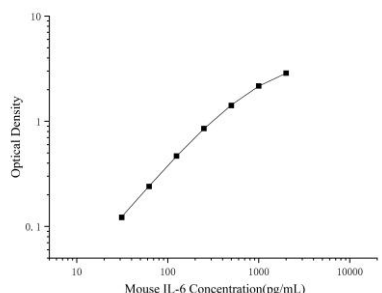
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0548)	
		Mouse IL-6 Capture Antibody	Mouse IL-6 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IL-6 protien	Recombinant Mouse IL-6 protien
	Swissprot	P08505	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse IL-6 in ELISAs.	

## Applications

Mouse IL-6 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4 µg/mL	Mouse IL-6 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse IL-6 Concentration (pg/mL). The x-axis ranges from 10 to 10,000 pg/mL, and the y-axis ranges from 0.1 to 10. 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>Mouse IL-6 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.1</td> </tr> <tr> <td>100</td> <td>0.5</td> </tr> <tr> <td>1000</td> <td>2.0</td> </tr> <tr> <td>10000</td> <td>10.0</td> </tr> </tbody> </table>	Mouse IL-6 Concentration (pg/mL)	Optical Density	10	0.1	100	0.5	1000	2.0	10000	10.0
Mouse IL-6 Concentration (pg/mL)	Optical Density												
10	0.1												
100	0.5												
1000	2.0												
10000	10.0												
ELISA Detection	1:1000-1:10000	Mouse IL-6 Detection Antibody (Biotin)											

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

## Background

Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation Acts on B-cells , T-cells , hepatocytes , hematopoietic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.