

Mouse IL-23 Antibody Pair Set

Catalog No.	E-KAB-0572	Applications	ELISA
Synonyms	IL-23A;IL23P19;P19;SGRF		

Kit components & Storage

Title	Specifications	Storage
Mouse IL-23 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Mouse IL-23 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze/thaw cycles.

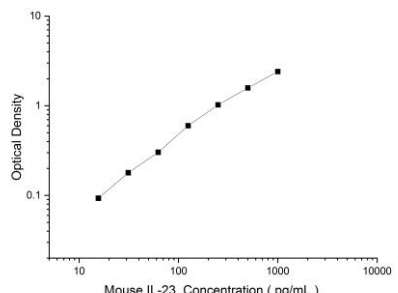
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0572)	
		Mouse IL-23 Capture Antibody	Mouse IL-23 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse IL-23 protien	Recombinant Mouse IL-23 protien
	Swissprot	P43432 (p40) & Q9EQ14 (p19)	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Goat
	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	Protein A or G	Antigen Affinity
	Specificity	Detects Mouse IL-23 in ELISAs.	

Applications

Mouse IL-23 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Mouse IL-23 Capture Antibody	 <p>The graph displays a standard curve for the Mouse IL-23 Sandwich ELISA Assay. The x-axis represents Mouse IL-23 Concentration in pg/mL on a logarithmic scale from 10 to 10000. The y-axis represents Optical Density on a logarithmic scale from 0.1 to 10. The data points show a clear upward trend, indicating that as the concentration of Mouse IL-23 increases, the optical density also increases proportionally.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse IL-23 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.1</td> </tr> <tr> <td>20</td> <td>0.2</td> </tr> <tr> <td>50</td> <td>0.4</td> </tr> <tr> <td>100</td> <td>0.8</td> </tr> <tr> <td>200</td> <td>1.5</td> </tr> <tr> <td>500</td> <td>3.0</td> </tr> <tr> <td>1000</td> <td>6.0</td> </tr> </tbody> </table>	Mouse IL-23 Concentration (pg/mL)	Optical Density	10	0.1	20	0.2	50	0.4	100	0.8	200	1.5	500	3.0	1000	6.0
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ELISA Detection	1:1000-1:10000	Mouse IL-23 Detection Antibody (Biotin)																	

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

Background

Cytokine that can act as a growth factor for activated T and NK cells , enhance the lytic activity of NK/lymphokine-activated killer cells , and stimulate the production of IFN-gamma by resting PBMC. Associates with IL23A to form the IL-23 interleukin , a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R , activates the Jak-Stat signaling cascade , stimulates memory rather than naive T-cells and promotes production of pro-inflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.