

Mouse LIF Antibody Pair Set

Catalog No.	E-KAB-0595	Applications	ELISA
Synonyms	CDF;DIA;HILDA;MLPLI		

Kit components & Storage

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

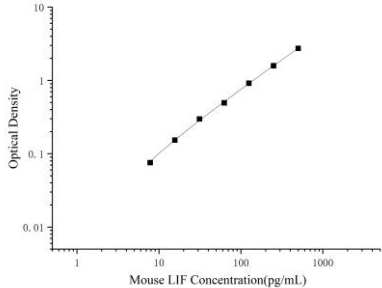
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0595)	
		Mouse LIF Capture Antibody	Mouse LIF Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse LIF protien	Recombinant Mouse LIF protien
	Swissprot	P09056	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse LIF in ELISAs.	

Applications

Mouse LIF Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4 µg/mL	Mouse LIF Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse LIF Concentration (pg/mL). The x-axis ranges from 1 to 1000 pg/mL, and the y-axis ranges from 0.01 to 10. The data points form a straight line, indicating a linear relationship between the concentration of Mouse LIF and the optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse LIF 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>0.5</td> </tr> <tr> <td>100</td> <td>1.0</td> </tr> <tr> <td>200</td> <td>2.0</td> </tr> <tr> <td>500</td> <td>5.0</td> </tr> </tbody> </table>	Mouse LIF Concentration (pg/mL)	Optical Density	10	0.1	20	0.2	50	0.5	100	1.0	200	2.0	500	5.0
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ELISA Detection	1:1000-1:10000	Mouse LIF Detection Antibody (Biotin)															

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

Background

LIF has the capacity to induce terminal differentiation in leukemic cells. Its activities include the induction of hematopoietic differentiation in normal and myeloid leukemia cells, the induction of neuronal cell differentiation, and the stimulation of acute-phase protein synthesis in hepatocytes.