

Mouse Flt3L Antibody Pair Set

Catalog No.	E-KAB-0321	Applications	ELISA
Synonyms	FLT3LG, Flt3-L, FL, Fms-Related Tyrosine Kinase 3 ligand		

Kit components & Storage

Title	Specifications	Storage
Mouse Flt3L Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse Flt3L Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

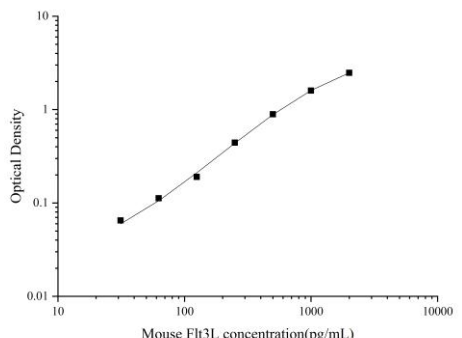
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0321)	
		Mouse Flt3L Capture Antibody	Mouse Flt3L Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse Flt3L protein	Recombinant Mouse Flt3L protein
	Swissprot	P49772	
Product details	Reactivity	Mouse	Mouse
	Host	Goat	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse Flt3L in ELISAs.	

Applications

Mouse Flt3L Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Mouse Flt3L Capture Antibody	 <p>The graph displays a standard curve for the Mouse Flt3L Sandwich ELISA Assay. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The x-axis represents Mouse Flt3L concentration in pg/mL on a logarithmic scale from 10 to 10000. Six data points are plotted, showing a clear positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse Flt3L concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>20</td> <td>0.06</td> </tr> <tr> <td>50</td> <td>0.12</td> </tr> <tr> <td>100</td> <td>0.20</td> </tr> <tr> <td>200</td> <td>0.40</td> </tr> <tr> <td>500</td> <td>0.80</td> </tr> <tr> <td>1000</td> <td>1.50</td> </tr> </tbody> </table>	Mouse Flt3L concentration (pg/mL)	Optical Density	20	0.06	50	0.12	100	0.20	200	0.40	500	0.80	1000	1.50
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ELISA Detection	1:1000-1:10000	Mouse Flt3L Detection Antibody (Biotin)															

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

Background

Dendritic cells (DCs) provide the key link between innate and adaptive immunity by recognizing pathogens and priming pathogen-specific immune responses. FLT3LG controls the development of DCs and is particularly important for plasmacytoid DCs and CD8 (see MIM 186910)-positive classical DCs and their CD103 (ITGAE; MIM 604682)-positive tissue counterparts.