

## Mouse DKK1 Antibody Pair Set

Catalog No. E-KAB-0304

Applications

ELISA

Synonyms DKK-1, SK

### Kit components & Storage

Title	Specifications	Storage
Mouse DKK1 Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse DKK1 Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

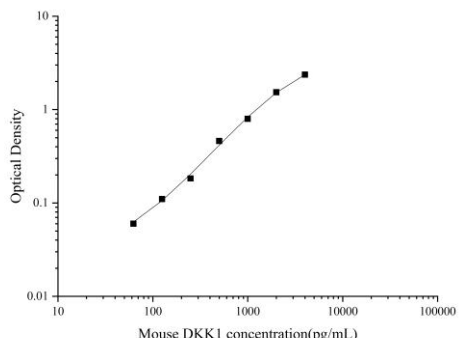
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0304)	
		Mouse DKK1 Capture Antibody	Mouse DKK1 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse DKK1 protein	Recombinant Mouse DKK1 protein
	Swissprot	O54908	
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 DKK1 in ELISAs.	

## Applications

Mouse DKK1 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Mouse DKK1 Capture Antibody	 <p>The graph displays a standard curve for the Mouse DKK1 Sandwich ELISA Assay. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The x-axis represents Mouse DKK1 concentration in pg/mL on a logarithmic scale from 10 to 100,000. 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 DKK1 concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>100</td> <td>0.05</td> </tr> <tr> <td>200</td> <td>0.1</td> </tr> <tr> <td>500</td> <td>0.25</td> </tr> <tr> <td>1000</td> <td>0.5</td> </tr> <tr> <td>2000</td> <td>1.0</td> </tr> <tr> <td>5000</td> <td>2.5</td> </tr> </tbody> </table>	Mouse DKK1 concentration (pg/mL)	Optical Density	100	0.05	200	0.1	500	0.25	1000	0.5	2000	1.0	5000	2.5
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ELISA Detection	1:1000-1:10000	Mouse DKK1 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 a protein that is a member of the dickkopf family. It is a secreted protein with two cysteine rich regions and is involved in embryonic development through its inhibition of the WNT signaling pathway. Elevated levels of DKK1 in bone marrow plasma and peripheral blood is associated with the presence of osteolytic bone lesions in patients with multiple myeloma.