

Mouse TNFRSF1B Antibody Pair Set

Catalog No.	E-KAB-0296	Applications	ELISA
Synonyms	TNFR2, CD120b, TBPII, TNF-R-II, TNF-R75, TNFBR, TNFR1B, TNFR80, p75, p75TNFR		

Kit components & Storage

Title	Specifications	Storage
Mouse TNFRSF1B Capture Antibody	1 vial, 100 µg	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse TNFRSF1B Detection Antibody (Biotin)	1 vial, 50 µL	Store at -20°C for one year. Avoid freeze / thaw cycles.

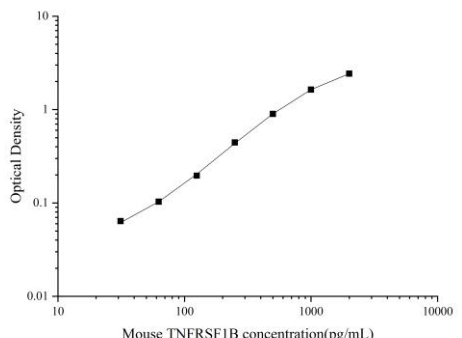
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0296)	
		Mouse TNFRSF1B Capture Antibody	Mouse TNFRSF1B Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse TNFRSF1B protein	Recombinant Mouse TNFRSF1B protein
	Swissprot	P25119	
Product details	Reactivity	Mouse	Mouse
	Host	Hamster	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	Protein A or G	Antigen Affinity
Specificity	Detects Mouse TNFRSF1B in ELISAs.		

Applications

Mouse TNFRSF1B Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Mouse TNFRSF1B Capture Antibody	 <p>The graph displays a standard curve for the Mouse TNFRSF1B Sandwich ELISA Assay. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The x-axis represents Mouse TNFRSF1B concentration in pg/mL on a logarithmic scale from 10 to 10000. The data points show a clear upward trend, indicating that as the concentration of Mouse TNFRSF1B increases, the optical density also increases.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse TNFRSF1B concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>100</td> <td>0.2</td> </tr> <tr> <td>1000</td> <td>1.0</td> </tr> <tr> <td>10000</td> <td>5.0</td> </tr> </tbody> </table>	Mouse TNFRSF1B concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	1.0	10000	5.0
Mouse TNFRSF1B concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	1.0												
10000	5.0												
ELISA Detection	1:1000-1:10000	Mouse TNFRSF1B Detection Antibody (Biotin)											

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

Background

The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein and TNF-receptor 1 form a heterocomplex that mediates the recruitment of two anti-apoptotic proteins, c-IAP1 and c-IAP2, which possess E3 ubiquitin ligase activity. The function of IAPs in TNF-receptor signalling is unknown, however, c-IAP1 is thought to potentiate TNF-induced apoptosis by the ubiquitination and degradation of TNF-receptor-associated factor 2, which mediates anti-apoptotic signals. Knockout studies in mice also suggest a role of this protein in protecting neurons from apoptosis by stimulating antioxidative pathways.