

Human TNC Antibody Pair Set

Catalog No.	E-KAB-0185	Applications	ELISA
Synonyms	GMEM, GP, HXB, JI, TN, TN-C		

Kit components & Storage

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

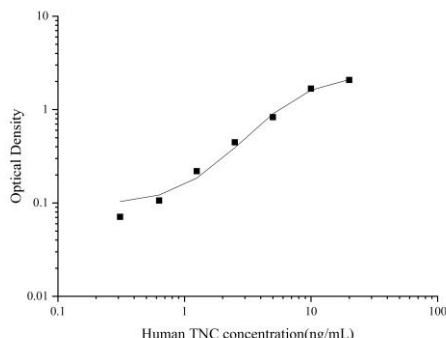
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0185)	
		Human TNC Capture Antibody	Human TNC Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Human TNC protein	Recombinant Human TNC protein
	Swissprot	P24821	
Product details	Reactivity	Human	Human
	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 Human TNC in ELISAs.	

Applications

Human TNC Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4µg/mL	Human TNC Capture Antibody	 <p>The graph displays a standard curve for the Human TNC Sandwich ELISA Assay. The x-axis represents Human TNC concentration in ng/mL on a logarithmic scale from 0.1 to 100. The y-axis represents Optical Density on a logarithmic scale from 0.01 to 10. The data points, represented by black squares, show a clear upward trend, indicating that as the concentration of Human TNC increases, the optical density also increases. A smooth curve is drawn through the points, demonstrating the relationship between the two variables.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human TNC concentration (ng/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>0.2</td> <td>0.08</td> </tr> <tr> <td>0.5</td> <td>0.12</td> </tr> <tr> <td>1.0</td> <td>0.20</td> </tr> <tr> <td>2.0</td> <td>0.35</td> </tr> <tr> <td>5.0</td> <td>0.70</td> </tr> <tr> <td>10.0</td> <td>1.20</td> </tr> <tr> <td>20.0</td> <td>1.80</td> </tr> </tbody> </table>	Human TNC concentration (ng/mL)	Optical Density	0.2	0.08	0.5	0.12	1.0	0.20	2.0	0.35	5.0	0.70	10.0	1.20	20.0	1.80
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ELISA Detection	1:1000-1:10000	Human TNC 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 an extracellular matrix protein with a spatially and temporally restricted tissue distribution. This protein is homohexameric with disulfide-linked subunits, and contains multiple EGF-like and fibronectin type-III domains. It is implicated in guidance of migrating neurons as well as axons during development, synaptic plasticity, and neuronal regeneration.