

Human TF(Transferrin) Antibody Pair Set

Catalog No.	E-KAB-0065	Applications	ELISA
Synonyms	TF, PRO1557, PRO2086, TFQTL1, Siderophilin		

Kit components & Storage

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

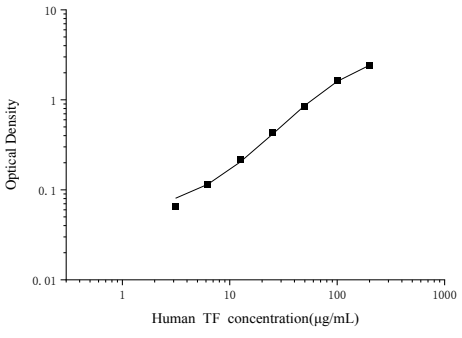
Note: Centrifuge before opening to ensure complete recovery of vial contents.

Product Information

Items		Characteristic (E-KAB-0065)	
		Human TF(Transferrin) Capture Antibody	Human TF(Transferrin) Detection Antibody (Biotin)
Immunogen Information	Immunogen	Native Protein	Native Protein
	Swissprot	P02787	
Product details	Reactivity	Human	Human
	Host	Rabbit	Rabbit
	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 TF(Transferrin) in ELISAs.	

Applications

Human TF(Transferrin) Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images														
ELISA Capture	0.5-4µg/mL	Human TF(Transferrin) Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Human TF concentration(µg/mL)' and ranges from 1 to 1000. The y-axis is labeled 'Optical Density' and ranges from 0.01 to 10. The data points form a straight line with a positive slope, indicating a power-law relationship between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Human TF concentration (µg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr><td>5</td><td>0.08</td></tr> <tr><td>10</td><td>0.15</td></tr> <tr><td>20</td><td>0.3</td></tr> <tr><td>50</td><td>0.8</td></tr> <tr><td>100</td><td>1.5</td></tr> <tr><td>200</td><td>2.5</td></tr> </tbody> </table>	Human TF concentration (µg/mL)	Optical Density	5	0.08	10	0.15	20	0.3	50	0.8	100	1.5	200	2.5
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ELISA Detection	1:1000-1:10000	Human TF(Transferrin) Detection Antibody (Biotin)															

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

Background

Transferrin(TF) is also named as Beta-1 metal-binding globulin,Siderophilin and belongs to the transferrin family. It is a bilobal iron-binding protein that plays the crucial role of binding ferric iron and keeping it in solution,thereby controlling the levels of this important metal. Serum transferrin may have a further role in stimulating cell proliferation.