

## Rat TF Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0366	<b>Applications</b>	ELISA
<b>Synonyms</b>	F3, CD142, TF, TFA, coagulation factor III, tissue factor		

### Kit components & Storage

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

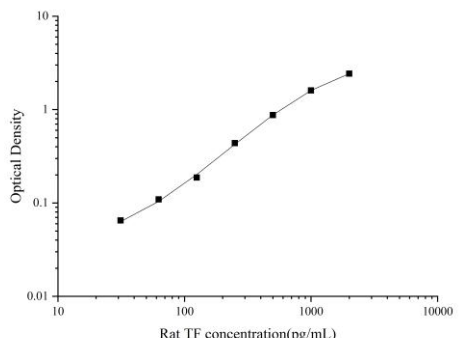
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0366)	
		Rat TF Capture Antibody	Rat TF Detection Antibody (Biotin)
Immunogen Information	Immunogen	Native Protein	Native Protein
	Swissprot	P12346	
Product details	Reactivity	Rat	Rat
	Host	Sheep	Sheep
	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 Rat TF in ELISAs.	

## Applications

### Rat TF Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4µg/mL	Rat TF Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Rat TF concentration (pg/mL). The y-axis (Optical Density) ranges from 0.01 to 10, and the x-axis (Rat TF concentration) ranges from 10 to 10000. The data points form a smooth, upward-sloping curve, indicating a positive correlation between concentration and optical density.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Rat TF 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>	Rat TF concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	1.0	10000	5.0
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10	0.05												
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1000	1.0												
10000	5.0												
ELISA Detection	1:1000-1:10000	Rat TF 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.