

## Mouse $\beta$ TG/PBP/CXCL7/NAP2 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0343	<b>Applications</b>	ELISA
<b>Synonyms</b>	PPBP, B-TG1, Beta-TG, CTAP-III, CTAP3, CTAPIII, CXCL7, LA-PF4, LDGF, MDGF, NAP-2, PBP, SCYB7, TC1, TC2, TGB, TGB1, THBGB, THBGB1, pro-platelet basic protein		

### Kit components & Storage

Title	Specifications	Storage
Mouse $\beta$ TG/PBP/CXCL7/NAP2 Capture Antibody	1 vial, 100 $\mu$ g	Store at -20°C for one year. Avoid freeze / thaw cycles.
Mouse $\beta$ TG/PBP/CXCL7/NAP2 Detection Antibody (Biotin)	1 vial, 50 $\mu$ L	Store at -20°C for one year. Avoid freeze / thaw cycles.

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

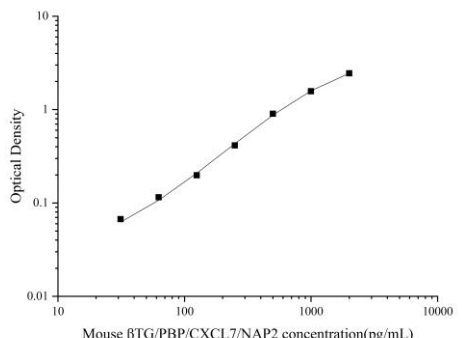
### Product Information

Items		Characteristic (E-KAB-0343)	
		Mouse $\beta$ TG/PBP/CXCL7/NAP2 Capture Antibody	Mouse $\beta$ TG/PBP/CXCL7/NAP2 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse $\beta$ TG/PBP/CXCL7/NAP2 protein	Recombinant Mouse $\beta$ TG/PBP/CXCL7/NAP2 protein
	Swissprot	Q9EQI5	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	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 $\beta$ TG/PBP/CXCL7/NAP2 in ELISAs.		

### For Research Use Only

## Applications

### Mouse $\beta$ TG/PBP/CXCL7/NAP2 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images										
ELISA Capture	0.5-4 $\mu$ g/mL	Mouse $\beta$ TG/PBP/CXCL7/NAP2 Capture Antibody	 <p>The graph is a log-log plot of Optical Density versus Mouse <math>\beta</math>TG/PBP/CXCL7/NAP2 concentration (pg/mL). The x-axis ranges from 10 to 10,000 pg/mL, and the y-axis ranges from 0.01 to 10. The data points form a straight line with a positive slope, indicating a linear relationship between the concentration and the optical density on this scale.</p> <table border="1"> <caption>Approximate data points from the standard curve</caption> <thead> <tr> <th>Mouse <math>\beta</math>TG/PBP/CXCL7/NAP2 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 $\beta$ TG/PBP/CXCL7/NAP2 concentration (pg/mL)	Optical Density	10	0.05	100	0.2	1000	1.0	10000	5.0
Mouse $\beta$ TG/PBP/CXCL7/NAP2 concentration (pg/mL)	Optical Density												
10	0.05												
100	0.2												
1000	1.0												
10000	5.0												
ELISA Detection	1:1000-1:10000	Mouse $\beta$ TG/PBP/CXCL7/NAP2 Detection Antibody (Biotin)											

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

## Background

PPBP, also named as NAP2, or  $\beta$ -Thromboglobulin, is a platelet-derived growth factor that belongs to the CXC chemokine family. This growth factor is a potent chemoattractant and activator of neutrophils. It has been shown to stimulate various cellular processes including DNA synthesis, mitosis, glycolysis, intracellular cAMP accumulation, prostaglandin E2 secretion, and synthesis of hyaluronic acid and sulfated glycosaminoglycan. It also stimulates the formation and secretion of plasminogen activator by synovial cells.

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