

## Mouse PTX3 Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0603	<b>Applications</b>	ELISA
<b>Synonyms</b>	PTX3;TNFAIP5;TSG-14;Pentraxin 3;long;TNF-inducible gene 14 protein		

### Kit components & Storage

Title	Specifications	Storage
Mouse PTX3 Capture Antibody	1 vial, 100 μg	Store at -20°C for one year. Avoid freeze/thaw cycles.
Mouse PTX3 Detection Antibody (Biotin)	1 vial, 50 μL	Store at -20°C for one year. Avoid freeze/thaw cycles.

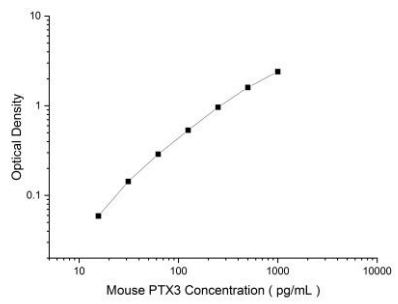
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0603)	
		Mouse PTX3 Capture Antibody	Mouse PTX3 Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse PTX3 protien	Recombinant Mouse PTX3 protien
	Swissprot	P48759	
Product details	Reactivity	Mouse	Mouse
	Host	Rat	Goat
	Conjugation	Unconjugated	Biotin
	Concentration	0.5 mg/mL	/
	Buffer	PBS with 0.04% Proclin 300; 50% glycerol; pH 7.5	PBS with 0.04% Proclin 300; 1% protective protein; 50% glycerol; pH 7.5
	Purify	Protein A or G	Antigen Affinity
	Specificity	Detects Mouse PTX3 in ELISAs.	

## Applications

Mouse PTX3 Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Mouse PTX3 Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Mouse PTX3 Concentration ( pg/mL )' and ranges from 10 to 10000. The y-axis is labeled 'Optical Density' and ranges from 0.1 to 10. 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>Mouse PTX3 Concentration (pg/mL)</th> <th>Optical Density</th> </tr> </thead> <tbody> <tr> <td>10</td> <td>0.05</td> </tr> <tr> <td>20</td> <td>0.1</td> </tr> <tr> <td>50</td> <td>0.2</td> </tr> <tr> <td>100</td> <td>0.4</td> </tr> <tr> <td>200</td> <td>0.7</td> </tr> <tr> <td>500</td> <td>1.5</td> </tr> <tr> <td>1000</td> <td>2.5</td> </tr> </tbody> </table>	Mouse PTX3 Concentration (pg/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.4	200	0.7	500	1.5	1000	2.5
Mouse PTX3 Concentration (pg/mL)	Optical Density																		
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ELISA Detection	1:1000-1:10000	Mouse PTX3 Detection Antibody (Biotin)																	

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

## Background

Ptx3 , also known as tumor necrosis factor-stimulated gene sequence-14 (TSG14) , is a secreted pattern-recognition receptor that has a non-redundant role in resistance to selected microbial agents. Ptx3 belongs to the family of “long pentraxins” , which have C-terminal pentraxin domains and novel amino-terminal domains. Ptx3 binds selected pathogens , including *Aspergillus fumigatus* , *Pseudomonas aeruginosa* and *Salmonella typhimurium*. It is synthesized in IgA glomerulonephritis and activates mesangial cells.