

## Mouse NT-proBNP Antibody Pair Set

<b>Catalog No.</b>	E-KAB-0563	<b>Applications</b>	ELISA
<b>Synonyms</b>	NT-Pro-BNP		

### Kit components & Storage

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

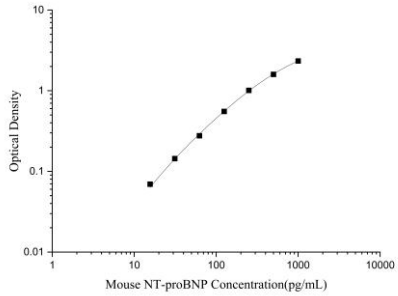
**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Product Information

Items		Characteristic (E-KAB-0563)	
		Mouse NT-proBNP Capture Antibody	Mouse NT-proBNP Detection Antibody (Biotin)
Immunogen Information	Immunogen	Recombinant Mouse NT-proBNP protien	Recombinant Mouse NT-proBNP protien
	Swissprot	/	
Product details	Reactivity	Mouse	Mouse
	Host	Rabbit	Rabbit
	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	Antigen Affinity	Antigen Affinity
	Specificity	Detects Mouse NT-proBNP in ELISAs.	

## Applications

Mouse NT-proBNP Sandwich ELISA Assay:

	Recommended Concentration/Dilution	Reagent	Images																
ELISA Capture	0.5-4 µg/mL	Mouse NT-proBNP Capture Antibody	 <p>The graph is a log-log plot. The x-axis is labeled 'Mouse NT-proBNP Concentration (pg/mL)' and ranges from 1 to 10000. The y-axis is labeled 'Optical Density' and ranges from 0.01 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 NT-proBNP 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>0.8</td> </tr> <tr> <td>500</td> <td>1.5</td> </tr> <tr> <td>1000</td> <td>2.5</td> </tr> </tbody> </table>	Mouse NT-proBNP Concentration (pg/mL)	Optical Density	10	0.05	20	0.1	50	0.2	100	0.4	200	0.8	500	1.5	1000	2.5
Mouse NT-proBNP Concentration (pg/mL)	Optical Density																		
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ELISA Detection	1:1000-1:10000	Mouse NT-proBNP Detection Antibody (Biotin)																	

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

## Background

Cardiac hormone which may function as a paracrine antifibrotic factor in the heart. Also plays a key role in cardiovascular homeostasis through natriuresis , diuresis , vasorelaxation , and inhibition of renin and aldosterone secretion. Specifically binds and stimulates the cGMP production of the NPR1 receptor. Binds the clearance receptor NPR3.