

## BNP Monoclonal Antibody

**catalog number: AN001610P**

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

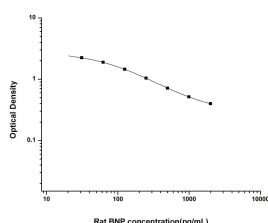
### Description

<b>Reactivity</b>	Rat
<b>Immunogen</b>	Recombinant Rat BNP protein expressed by E.coli
<b>Host</b>	Mouse
<b>Isotype</b>	Mouse IgG1
<b>Clone</b>	10E12
<b>Purification</b>	Protein A/G Purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.2, containing 0.05% proclin 300.

### Applications

<b>ELISA</b>	0.1-0.4 µg/mL
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### Data



Competitive ELISA-Recombinant Rat BNP protein standard curve. Standard curve obtained by indirect competitive ELISA based on BNP antibody(AN001610P). The reference range value for Recombinant Rat BNP protein is 31.25-2000 pg/mL.

### Preparation & Storage

<b>Storage</b>	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### Background

Cardiac hormone that plays a key role in mediating cardio-renal homeostasis. May also function as a paracrine antifibrotic factor in the heart. Acts by specifically binding and stimulating NPR1 to produce cGMP, which in turn activates effector proteins that drive various biological responses. Likely involved in regulating the extracellular fluid volume and maintaining the fluid-electrolyte balance through natriuresis, diuresis, kaluresis and chloruresis.

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