

# Product Information

## Recombinant Anti-Human nppb Antibody Fab Fragment

Cat. No.: **MOM-18291-F(E)**

This product is for research use only and is not intended for diagnostic use.

### Product Overview

Recombinant Mouse Antibody Fab Fragment is directed against Human NPPB, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

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.

### Specific Activity

Tested positive against native antigen.

### Target

NPPB

### Immunogen

Synthetic peptide: ETSGQLQEQRNHLQGK, corresponding to amino acids 13 - 27 of Human proBNP.ETSGQLQEQRNHLQGK

### Source

Mouse

### Species Reactivity

Human

### Type

Fab

### Expression Host

CHO

### Purity

>95.0% as determined by analysis by SDS-PAGE.

### Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

### Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

## ANTIGEN GENE INFORMATION

**Gene Name**

[NPPB natriuretic peptide B \[ Homo sapiens \]](#)

**Official Symbol**

NPPB

**Synonyms**

NPPB; natriuretic peptide B; natriuretic peptide precursor B; natriuretic peptides B; natriuretic protein; brain type natriuretic peptide; gamma-brain natriuretic peptide; BNP

**Gene ID**

[4879](#)

**mRNA Refseq**

[NM\\_002521](#)

**Protein Refseq**

[NP\\_002512](#)

**MIM**

[600295](#)

**UniProt ID**

P16860

**Chromosome Location**

1p36.2

**Pathway**

MicroRNAs in cardiomyocyte hypertrophy, organism-specific biosystem;

**Function**

diuretic hormone activity; hormone activity; peptide hormone receptor binding; receptor binding; receptor binding;