

Product Information

Recombinant Anti-Human nppb Antibody Fab Fragment

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

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

Product Overview

Recombinant Mouse Antibody Fab Fragment is against Human NPPB, expressed in E. coli

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

E. coli

Purity

Purity >95% by SDS-PAGE.

Applications

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

Storage

Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C long term. Avoid repeated freeze/thaw cycles.

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;