

# BNP Mouse Monoclonal Antibody FITC Conjugated(H1G3 )

Catalog No: #C08437F

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## Description

Product Name	BNP Mouse Monoclonal Antibody FITC Conjugated(H1G3 )
Host Species	Mouse
Clonality	Monoclonal
Clone No.	H1G3
Isotype	IgG
Purification	Purified by Protein G.
Applications	IF
Species Reactivity	Hu
Immunogen Description	KLH conjugated synthetic peptide derived from human BNP
Conjugates	FITC
Target Name	BNP
Other Names	BNP 32; Brain natriuretic peptide 32; Gamma brain natriuretic peptide; Natriuretic peptide brain type; Natriuretic peptide precursor B; Natriuretic peptides B; NPPB; NPPB protein.
Accession No.	NCBI Gene ID4879
Uniprot	P16860
GeneID	4879;
Excitation Emission	494nm 518nm
Concentration	1mg ml
Formulation	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

## Application Details

IF=1:50-200

## Background

Brain natriuretic peptide (BNP) circulates in blood as a peptide hormone with natriuretic, vasodilatory and renin inhibitory properties. BNP is secreted predominantly by the left ventricular myocytes in response to volume expansion and pressure overload. BNP belongs to a family of structurally similar peptide hormones, which includes atrial natriuretic peptide (ANP), BNP, C-type natriuretic peptide (CNP) and urodilatin. These peptides are characterized by a common 17 amino acid ring structure with a disulfide bond between two cysteine residues. This ring structure shows high homology between different natriuretic peptides (eleven of the 17 amino acid residues are homologous in the ring of each of the natriuretic peptides). BNP is a 32 amino acid peptide with disulfide bond between the cysteine residues Cys10 and Cys26. In earlier studies it has been demonstrated that BNP concentration in blood increases with the severity of congestive heart failure. Quantitative measurement of BNP in blood provides an objective indicator of congestive heart failure severity.

Note: This product is for in vitro research use only