



Magic™ Mouse anti-Human brain natriuretic peptide (BNP) Monoclonal antibody, clone 35D6dd (DMAB-L21065)

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

PRODUCT INFORMATION

Product Overview	Hybridoma clone has been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with synthetic BNP peptide 11FGRKMDRISSSS22 conjugated with carrier protein.
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.
Specificity	Human BNP and proBNP. The pair(DMAB-L21012 - DMAB-L21065) recognize with high sensitivity the antigen in plasma samples of patients with heart failure.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	35D6dd
Purification	Chromatography on protein A Sepharose
Conjugate	Unconjugated
Applications	BNP and proBNP immunoassay. Recommended pairs for BNP sandwich immunoassay capture-detection): DMAB-L21012 - DMAB-L21065 .(Sensitivity of this pair is better than 1 pg/ml)

Size	1 mg
Buffer	PBS, pH 7.4, 0.09 % sodium azide (NaN ₃)
Preservative	0.09% Sodium Azide
Storage	4°C

GENE INFORMATION

Gene Name	NPPBnatriuretic peptide B [Homo sapiens]
Official Symbol	NPPB
Synonyms	BNP; natriureticpeptides B; OTTHUMP00000002506; natriuretic protein; brain type natriureticpeptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B
Entrez Gene ID	4879
Protein Refseq	NP_002512
UniProt ID	P16860
Chromosome Location	1p36.2
Pathway	MicroRNAs incardiomyocyte hypertrophy
Function	diuretic hormoneactivity; hormone activity; peptide hormone receptor binding; receptorbinding