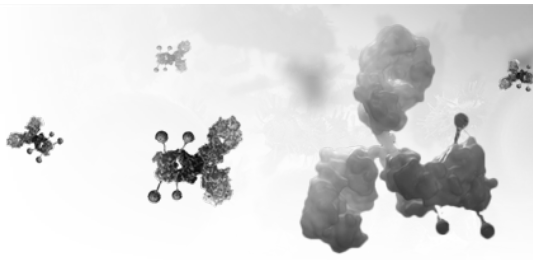

Magic™ Anti-BNP monoclonal antibody, clone 36D6 (DMAB-L21064)

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

PRODUCT INFORMATION

Product Overview	Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with human synthetic BNP (whole molecule) or 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.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	36D6
Purification	Chromatography on protein A Sepharose
Conjugate	Unconjugated
Applications	BNP and proBNP immunoassay. All MAbs recognize BNP and proBNP in sandwich immunoassay. MAbs 24C5, 24C5cc, 26E2, 50E1, 50E1cc, 50B7, 50B7cc and 57H3 react with proBNP and BNP in Western blotting.
Size	1 mg
Buffer	PBS, pH 7.4, 0.1 % sodium azide (NaN?)

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Preservative	0.1% 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

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