



# Magic™ Anti-BNP monoclonal antibody, clone COQ3dd (DMAB-L21063)

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

## PRODUCT INFORMATION

<b>Product Overview</b>	Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with immune complex formed by Fab-fragment of BNP-specific MAb 36D6 (Cat.# DMAB-L21064) and synthetic human BNP.
<b>Antigen Description</b>	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.
<b>Specificity</b>	Human BNP and proBNP in immune complex with MAb 36D6
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	COQ3dd
<b>Purification</b>	Chromatography on protein A Sepharose
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	BNP and proBNP sandwich immunoassays (detection), only as a pair to MAb DMAB-L21064.
<b>Size</b>	1 mg
<b>Buffer</b>	PBS, pH 7.4, 0.09 % sodium azide (NaN <sub>3</sub> )
<b>Preservative</b>	0.09% Sodium Azide

Storage

4°C

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## GENE INFORMATION

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