Anti-NPPB monoclonal antibody, clone 29G9 (DMAB1772MH)

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

**PRODUCT INFORMATION**

**Antigen Description**

This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. Mutations in this gene have been associated with postmenopausal osteoporosis.

**Specificity**

Human proBNP and NT-proBNP

**Immunogen**

Synthetic NT-proBNP peptide corresponding to amino acids 61-76

**Isotype**

IgG2a

**Source/Host**

Mouse

**Species Reactivity**

Human

**Clone**

29G9

**Purification**

>90% pure (SDS-PAGE). Protein A chromatography

**Conjugate**

Unconjugated

**Applications**

NT-proBNP and proBNP immunoassay. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Centrifuge before opening to ensure complete recovery of vial contents.

**Format**

Purified, Liquid

**Concentration**

5.6mg/ml (Sigma protein assay)

**Buffer**

PBS, pH 7.4

**Preservative**

0.1% Sodium Azide

**Storage**

Store at 2-8°C.

**Warnings**

This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent
through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

# GENE INFORMATION

<table>
<thead>
<tr>
<th>Gene Name</th>
<th>NPPB natriureticpeptide B [ Homo sapiens ]</th>
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<tbody>
<tr>
<td>Official Symbol</td>
<td>NPPB</td>
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<tr>
<td>Synonyms</td>
<td>BNP; NPPB; natriuretic peptides B; OTTHUMP00000002506; natriuretic protein; brain type natriuretic peptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B</td>
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<td>Function</td>
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