

## Product datasheet for **AM02179PU-S**

### **BNP (NPPB) (NT-proBNP 1-21) Mouse Monoclonal Antibody [Clone ID: 27-4-3]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	27-4-3
Applications:	ELISA
Recommended Dilution:	ELISA.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Synthetic human pro-BNP (aa 1-21) poly Lysin conjugated
Specificity:	This antibody detects synthetic pro-BNP (aa 1-21)
Formulation:	200 mM Na Citrat / TRIS, 500 mM NaCl buffer pH 7;5 0,02% NaN <sub>3</sub> State: Purified State: Lyophilized IgG fraction
Reconstitution Method:	Restore in aqua bidest to 1 mg/ml.
Purification:	Protein A chromatography
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2 - 8 °C and reconstituted at -20 °C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
Gene Name:	natriuretic peptide B
Database Link:	<a href="#">Entrez Gene 4879 Human P16860</a>
Background:	In cardiac tissue brain natriuretic peptide (BNP) is synthesized as 134 amino acid precursor (prepro-BNP), which is cleaved by proteases to form a 26 aa "signal" peptide and a 108 aa pro-BNP. Proteolytic digestion of pro-BNP results in formation of 76 aa amino-terminal NT-proBNP and biologically active 32 aa BNP hormone molecule. Both proBNP and NTproBNP circulate in human plasma and have been proposed as markers for early diagnosis of left ventricular dysfunction as well as prognostic markers of possible cardiac complications at patients with heart failure.



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**Synonyms:** NPPB, Brain natriuretic peptide, BNP, proBNP