

**CATALOGUE #:** 4NT1 / 4NT1cc

**PRODUCT NAME:** Monoclonal anti-human N-terminal proBNP (NT-proBNP)

**Recombinant MAbs (Cat.# 4NT1cc):** **NT13, NT45, NT46**  
Recombinant monoclonal antibody expressed in a mammalian cell line. Full-size IgG sequence derived from rabbit B cells.

**MAbs *in vitro* (Cat.# 4NT1cc):** **5B6cc, 29D12cc, 15F11cc, 13G12cc, 18H5cc, 7B5cc, NT34cc, 11D1cc, 16E6cc, 15C4cc, 24E11cc**  
Mouse monoclonal antibody produced in bioreactor. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

**MAbs *in vivo* (Cat.# 4NT1):** **16F3, 15D7, 28F8**  
Mouse monoclonal antibody produced in ascites. Hybridoma clone derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice.

**Immunogens:** Synthetic peptides corresponding to different regions of human NT-proBNP conjugated with a carrier protein.

**Specificity:** Human NT-proBNP and proBNP  
Epitopes:

MAb	a.a.r.
5B6cc	1-12
29D12cc	5-12
15F11cc	13-24
13G12cc, 18H5cc, 16F3	15-20
7B5cc	15-21
NT34cc	25-34
NT13	27-31
11D1cc	31-39
16E6cc	34-39
NT45, NT46	43-46
15D7	48-56
15C4cc	63-71
24E11cc, 28F8	67-76

**MAb isotypes:** **IgG** for NT13, NT45, NT46  
**IgG1** for 5B6cc, 18H5cc, 7B5cc, NT34cc, 11D1cc, 16E6cc, 16F3, 15D7  
**IgG2a** for 29D12cc, 13G12cc, 24E11cc, 28F8  
**IgG2b** for 15F11cc, 15C4cc

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**Applications:** NT-proBNP and proBNP immunoassays. MAbs are working in Western Blotting.

Recommended pairs for sandwich immunoassay:

Capture	Detection
15F11cc	24E11cc
15C4cc	29D12cc
15C4cc	13G12cc
15C4cc	18H5cc
29D12cc	NT34cc
NT13	NT45
NT13	NT46
15F11cc	NT45
15F11cc	NT46
18H5cc	NT45
18H5cc	NT46

MAbs specific to peptides 5-12, 13-24, 15-20, 25-34, 27-31 and 15-21 recognize circulating proBNP and can be used for the development of quantitative proBNP assays in pairs with anti-BNP MAbs. The best pairs are:

Capture	Detection
50E1cc	16F3
50E1cc	18H5cc

(Anti-BNP MAbs 50E1cc is under Cat.# 4BNP2cc)

**Purification:** Protein A chromatography

**Presentation:** PBS, pH 7.4, 0.09 % sodium azide (NaN<sub>3</sub>)

**Storage:** +4 °C (+2 ... +8 °C allowed)

**Material safety note:** This product is sold **for research or further manufacturing use only**. Standard Laboratory Practices should be followed when handling this material.

Product contains sodium azide as a preservative. Although the amount of sodium azide is very small appropriate care must be taken when handling this product.