

**CATALOGUE #:** 4CNT5

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

**MAbs:**

CaNT89, CaNT90, CaNT19, CaNT46, CaNT49, CaNT53

Hybridoma clones have been derived from hybridization of Sp2/0 myeloma cells with spleen cells of Balb/c mice immunized with:

- recombinant canine NT-proBNP with tag expressed in *E. coli* (CaNT90)
- recombinant canine NT-proBNP expressed in *E. coli* as a fusion protein with carrier (CaNT89, CaNT19, CaNT46)
- synthetic peptides corresponding to 64-80 a.a.r. (CaNT49, CaNT53) of canine NT-proBNP

**Specificity:**

Canine NT-proBNP and proBNP

| MAb:           | Epitope a.a.r. |
|----------------|----------------|
| CaNT89         | 19-28          |
| CaNT90         | 35-48          |
| CaNT19, CaNT46 | 42-50          |
| CaNT49         | 66-72          |
| CaNT53         | 64-80          |

**MAb isotypes:**

**IgG1** for MAbs CaNT89, CaNT90, CaNT19, CaNT46, CaNT49, CaNT53

**Applications:**

Quantification of canine NT-proBNP in plasma of dogs. Recommended pairs for sandwich immunoassay (capture-detection):

- CaNT90 – CaNT89
- CaNT19 – CaNT89
- CaNT90 – CaNT53

Extended list of two-site antibody combinations for detection of canine NT-proBNP in plasma can be provided as a supplementary material.

**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.

These products and some applications in which these products may be used could be covered by patents issued and applicable in certain countries. As the purchase of these products does not include a license to perform any patented application, users of these products may be required to obtain a patent license depending on the specific application and country in which the product is used.

# Datasheet

Blood coagulation and Anemia • Bone Metabolism • Cardiac Markers • Fertility and Pregnancy  
Gangliosides • Hormone Markers • Immunology and Serology • Infectious Diseases • Inflammation  
Kidney Diseases • Metabolic Syndrome • Microbial and Plant Toxins • Miscellaneous • Neuroscience  
Thyroid Diseases • Tumor Markers • Veterinary

**CATALOGUE #:** 4CNT5

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