



BMA BIOMEDICALS



Peninsula Laboratories

T-4223

Rabbit anti C-Type Natriuretic Peptide (32-53) (human, porcine, rat) [UniProt.: P23582, P18104, P55207]

C-type natriuretic peptide (CNP) (32-53) is a 22 amino acid peptide released by endothelial cells, cardiomyocytes and fibroblasts that regulates vital physiological functions in the cardiovascular system. CNP is part of a natriuretic peptide system, together with atrial natriuretic peptide (ANP) and brain natriuretic peptide (BNP). CNP not only modulates vascular tone and blood pressure, but also governs cardiovascular effects including the control of inflammation, angiogenesis, atherosclerosis, cardiomyocyte contractility, hypertrophy, fibrosis, and cardiac electrophysiology.

This antibody was generated by immunization of rabbits with CNP coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

- Lot number:** A16386
- Host species:** Rabbit IgG
- Quantity:** 50µl
- Format:** Neat undiluted antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 50µl distilled water. This will give the equivalent of undiluted antiserum.
- Stability:** Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at -20°C or below.
- Applications:** This antibody has been tested and validated in ELISA against CNP. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user.
Please see www.bma.ch for protocols and general information.
- Immunogen:** Synthetic peptide H-Gly-Leu-Ser-Lys-Gly-Cys-Phe-Gly-Leu-Lys-Leu-Asp-Arg-Ile-Gly-Ser-Met-Ser-Gly-Leu-Gly-Cys-OH, (Disulfide bond) coupled to carrier protein.

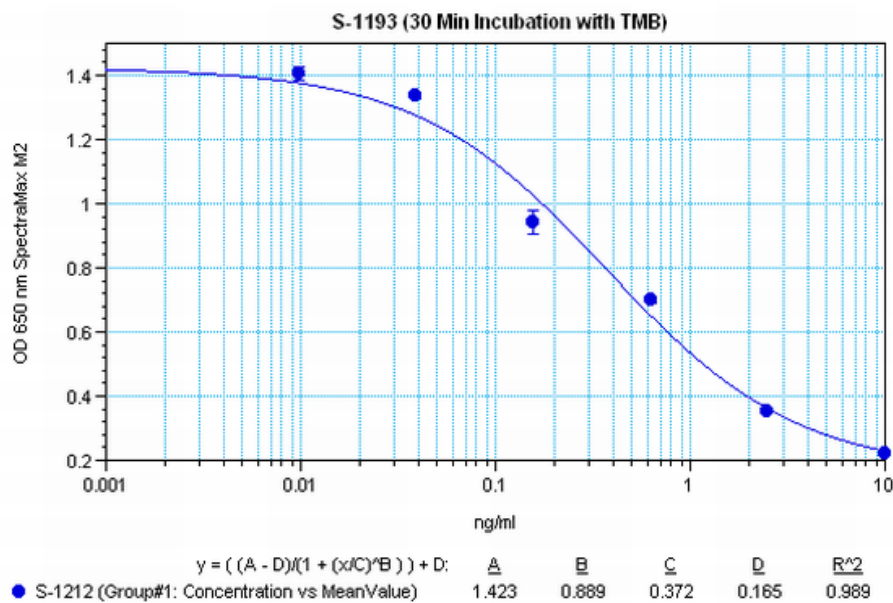
Cross-Reactivity:

PEPTIDE:	%:
CNP (32-53) (human, rat, porcine)	100
CNP (1-53) (rat, porcine)	100
CNP (1-29) (rat, porcine)	0

Cross-Reactivity (continued):

PEPTIDE:	%:
BNP-32 (rat)	0
BNP-45 (rat)	0
BNP-26 (porcine)	0
ANF (1-28) (human)	0
ANF (1-28) (rat)	0
Thr-Ala-Pro-Arg-Atrial Natriuretic Factor (1-28) (human)	0
Endothelin-1 (human, canine, porcine, rat, mouse, bovine)	0
Angiotensin II	0
Substance P	0

Typical titration curve of anti human CNP in a competitive ELISA with this antibody:



Related Products: S-1193: ELISA kit, high sensitivity
S-1512: ELISA kit, extraction-free for human samples
T-4222: purified antiserum, IgG

This product contains no preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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neat antiserum

17.8.2020