

Human NT-proBNP ELISA Kit | NT-proBNP elisa kit

NT-proBNP Human ELISA Kit

CATALOG # AAA13483	REACTIVITY Human	APPLICATIONS ELISA
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PRODUCT SYNONYMS

NT-proBNP; NT-proBNP Human ELISA Kit; Human NT-proBNP; NT-proBNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma and cell culture supernatants
Assay Type	Quantitative Sandwich
Detection Range	62.5 pg/ml - 4000 pg/ml
Sensitivity	2 pg/ml
Applicable Applications for NT-proBNP elisa kit	ELISA
Application Notes	For quantitative detection of human NT-proBNP in serum, plasma and cell culture supernatants.
Preparation and Storage	Store at -20 degree C for one year.

IMAGES

Typical Data & Standard Curve
Results of a typical standard run of a human NT-proBNP ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	pg/ml	0	62.5	125	250	500	1000	2000	4000
Y	OD450	0.163	0.289	0.325	0.464	0.660	0.930	1.527	2.248

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NT-proBNP elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-NT-proBNP polyclonal antibody was pre-coated onto 96-well plates. The standards and test samples were added to the wells and any NT-proBNP present is bound by the immobilized antibody. After washing away any unbound substances, the HRP conjugated anti-NT-proBNP monoclonal antibody was added to wells as detection antibodies. Following a wash to remove any unbound antibody-enzyme reagent, the TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding stop solution. The density of yellow is proportional to the NT-proBNP amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of NT-proBNP can be calculated.

Background/Introduction: The N-terminal prohormone of brain natriuretic peptide (NT-proBNP) is a 76 amino acid N-terminal fragment of brain natriuretic peptide. Both BNP and NT-proBNP levels in the blood are used for screening, identification of acute congestive heart failure (CHF) and may be useful to establish prognosis in heart failure, as both markers are typically higher in patients with worse outcome. BNP may be a useful screening tool for left ventricular dysfunction in patients with history suggestive of heart disease and be used to assist in forming a pretest probability, which in turn could greatly assist in appropriateness of patient referral and in optimization of drug therapy.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/nt-probnp/13483>