

Human pro Brain Natriuretic Peptide ELISA Kit | proBNP elisa kit

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CATALOG #
AAA82458

REACTIVITY
Human

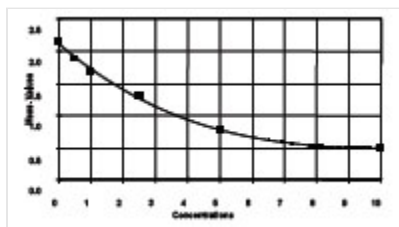
PRODUCT SYNONYMS

pro Brain Natriuretic Peptide; Human pro Brain Natriuretic Peptide ELISA Kit; proBNP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	50-1000pg/mL
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for proBNP elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate serum or blood plasma Intended Uses: This proBNP ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of proBNP in the sample, this proBNP ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus proBNP concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of proBNP utilizes a polyclonal anti-proBNP antibody and an proBNP-HRP conjugate. The assay sample and buffer are incubated together with proBNP-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the proBNP concentration since proBNP from samples and proBNP-HRP conjugate compete for the anti-proBNP antibody binding site. Since the number of sites is limited, as more sites are occupied by proBNP from the sample, fewer sites are left to bind proBNP-HRP conjugate. Standards of known proBNP concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (O.D.) to the concentration of proBNP. The proBNP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for proBNP elisa kit	Signal Transduction

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://stage.aaabiotech.com/probnp-human-elisa-kits/pro-brain-natriuretic-peptide/82458>