

FastELISA™ NPPB (Human) ELISA Kit

Catalog # KA7037

Size 1 Kit

Specification

Product Description	FastELISA™ NPPB (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of Human NPPB (Brain natriuretic peptide, BNP) in Serum, plasma.
Suitable Sample	Serum, Plasma, etc.
Sample Volume	50 μ L
Detection Method	Colormetric
Assay Type	Quantitative
Calibration Range	31.25-2000 pg/mL
Limit of Detection	6.8 pg/mL
Specificity	This assay is highly specific for detection of Human NPPB. No significant cross-reactivity or interference between Human NPPB and analogues was observed.
Regulation Status	For research use only (RUO)
Storage Instruction	Store at 2-8°C for 6 months. For long term storage store at -20°C. Avoid repeated freezing and thawing.

Applications

- Quantification

Gene Info — NPPB

Entrez GeneID [4879](#)

Gene Name NPPB

Gene Alias	BNP
Gene Description	natriuretic peptide precursor B
Omim ID	600295
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the natriuretic peptide family and encodes a secreted protein which functions as a cardiac hormone. The protein undergoes two cleavage events, one within the cell and a second after secretion into the blood. The protein's biological actions include natriuresis, diuresis, vasorelaxation, inhibition of renin and aldosterone secretion, and a key role in cardiovascular homeostasis. A high concentration of this protein in the bloodstream is indicative of heart failure. Mutations in this gene have been associated with postmenopausal osteoporosis. [provided by RefSeq]
Other Designations	OTTHUMP00000002506 OTTHUMP00000044486 brain type natriuretic peptide natriuretic protein

Pathway

- [Vascular smooth muscle contraction](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)

- [Heart Failure](#)
- [Hypertension](#)
- [Hypertrophy](#)
- [Insulin Resistance](#)
- [Kidney Diseases](#)
- [Liver Cirrhosis](#)
- [Mental Disorders](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Obesity](#)
- [Osteoporosis](#)
- [Renal Artery Obstruction](#)
- [Ventricular Dysfunction](#)