Human Atrial natriuretic peptide receptor 1 ELISA Kit | NPR1 elisa kit

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CATALOG #	REACTIVITY
AAA97732	**Human**

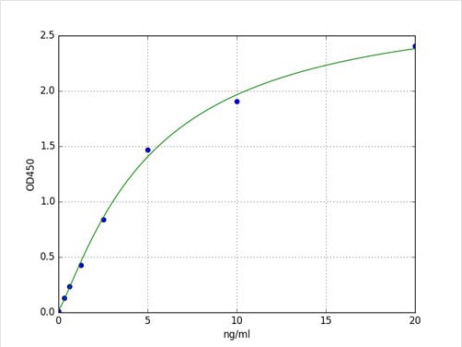
PRODUCT SYNONYMS

Atrial natriuretic peptide receptor 1; Human Atrial natriuretic peptide receptor 1 ELISA Kit; NPR1 (Atrial natriuretic peptide receptor 1)/ANPa/ANPRA/GC-A/GUCY2A/NPRA/Pndr/ANP-A/ANPR-A/Atrial natriuretic peptide receptor type A/atrionatriuretic peptide receptor A/Guanylate cyclase A/GUC2A/natriuretic peptide A type receptor/natriuretic peptide receptor A/natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptidereceptor A)/NPR-A; NPR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	1061
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Human NPR1 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	ng/ml	0	0.313	0.625	1.25	2.5	5	10	20
Y	OD450	0.011	0.209	0.476	0.709	0.936	1.664	1.642	2.543

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPR1 elisa kit	Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Human NPR1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Human NPR1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Human NPR1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Human NPR1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	167830411
NCBI GeneID	4881
NCBI Accession #	NP_000897.3
NCBI GenBank Nucleotide #	NM_000906.3
Molecular Weight	118,919 Da
NCBI Official Full Name	atrial natriuretic peptide receptor 1
NCBI Official Synonym Full Names	natriuretic peptide receptor 1
NCBI Official Symbol	NPR1
NCBI Official Synonym Symbols	ANPa; NPRA; ANPRA; GUC2A; GUCY2A
NCBI Protein Information	atrial natriuretic peptide receptor 1
UniProt Protein Name	Atrial natriuretic peptide receptor 1
UniProt Gene Name	**NPR1**
UniProt Synonym Gene Names	ANPRA; ANP-A; ANPR-A; NPR-A; GC-A
UniProt Entry Name	ANPRA_HUMAN

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/npr1-human-elisa-kits/atrial-natriuretic-peptide-receptor-1/97732