

Mouse Atrial natriuretic peptide receptor 1 (NPR1) ELISA Kit | NPR1 elisa kit

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CATALOG #
AAA246023

REACTIVITY
Mouse

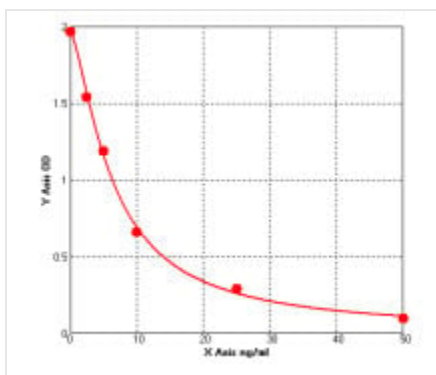
PRODUCT SYNONYMS

Atrial natriuretic peptide receptor 1 (NPR1); Mouse Atrial natriuretic peptide receptor 1 (NPR1) ELISA Kit; NPR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ANPR1. No significant cross-reactivity or interference between ANPR1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ANPR1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for NPR1 elisa kit	Principle of the Assay: ANPR1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ANPR1 antibody and an ANPR1-HRP conjugate. The assay sample and buffer are incubated together with ANPR1-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 ANPR1 concentration since ANPR1 from samples and ANPR1-HRP conjugate compete for the anti-ANPR1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANPR1 from the sample, fewer sites are left to bind ANPR1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANPR1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ANPR1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ANPR1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for NPR1 elisa kit	Cardiovascular

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; GC-A; ANP-A; NPR-A; ANPR-A; guanylate cyclase A; natriuretic peptide receptor A; atrionatriuretic peptide receptor A; natriuretic peptide A type receptor; atrial natriuretic peptide receptor type A; natriuretic peptide receptor A/guanylate cyclase A (atrionatriuretic peptide receptor A)
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/mouse-elisa-kits/atrial-natriuretic-peptide-receptor-1-npr1/246023>