

Mouse Atrial natriuretic peptide receptor 3 ELISA Kit | ANPR-C 3 elisa kit

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CATALOG #
AAA93781

REACTIVITY
Mouse

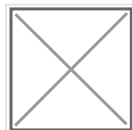
PRODUCT SYNONYMS

Atrial natriuretic peptide receptor 3; Mouse Atrial natriuretic peptide receptor 3 ELISA Kit; ANPR-C 3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ANPR-C 3 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

INTENDED USE This NPR3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NPR3. This ELISA kit for research use only!

PRINCIPLE OF THE ASSAY NPR3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-NPR3 antibody and an NPR3-HRP conjugate. The assay sample and buffer are incubated together with NPR3-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 NPR3 concentration since NPR3 from samples and NPR3-HRP conjugate compete for the anti-NPR3 antibody binding site. Since the number of sites is limited, as more sites are occupied by NPR3 from the sample, fewer sites are left to bind NPR3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NPR3 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for ANPR-C 3 elisa kit

Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	324120923
NCBI GeneID	4883
NCBI Accession #	NP_001191305.1
NCBI GenBank Nucleotide #	NM_001204376.1
Molecular Weight	36,656 Da
NCBI Official Full Name	atrial natriuretic peptide receptor 3 isoform 3
NCBI Official Synonym Full Names	natriuretic peptide receptor 3
NCBI Official Symbol	NPR3
NCBI Official Synonym Symbols	NPRC; ANP-C; ANPRC; NPR-C; ANPR-C; GUCY2B; C5orf23
NCBI Protein Information	atrial natriuretic peptide receptor 3; guanylate cyclase C; atrionatriuretic peptide receptor C; atrial natriuretic peptide receptor type C; atrial natriuretic peptide clearance receptor; natriuretic peptide receptor C/guanylate cyclase C (atrionatriuretic peptide receptor C)
UniProt Protein Name	Atrial natriuretic peptide receptor 3
UniProt Gene Name	NPR3
UniProt Synonym Gene Names	ANPRC; C5orf23; NPRC; ANP-C; ANPR-C; NPR-C
UniProt Entry Name	ANPRC_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://stage.aaabiotech.com/anpr-c-3-mouse-elisa-kits/atrial-natriuretic-peptide-receptor-3/93781>