

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

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CATALOG # AAA97069	REACTIVITY Bovine
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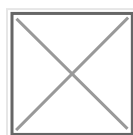
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Intended Uses	This ANPR3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine ANPR3. This ELISA kit for research use only, not for therapeutic applications
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	Principle of the Assay: ANPR3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-ANPR3 antibody and an ANPR3-HRP conjugate. The assay sample and buffer are incubated together with ANPR3-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 ANPR3 concentration since ANPR3 from samples and ANPR3-HRP conjugate compete for the anti-ANPR3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ANPR3 from the sample, fewer sites are left to bind ANPR3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ANPR3 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-bovine-ovine-elisa-kits/atrial-natriuretic-peptide-receptor-3/97069>