

Sheep Natriuretic peptides B (NPPB) ELISA Kit | NPPB elisa kit

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CATALOG #
AAA244956

REACTIVITY
Sheep

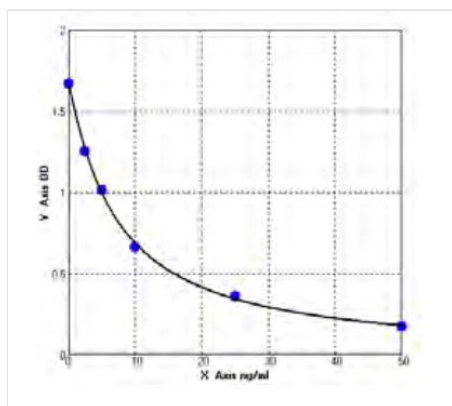
PRODUCT SYNONYMS

Natriuretic peptides B (NPPB); Sheep Natriuretic peptides B (NPPB) ELISA Kit; NPPB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of NPPB. No significant cross-reactivity or interference between NPPB and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between NPPB 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 NPPB elisa kit	Principle of the Assay: NPPB ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NPPB antibody and an NPPB-HRP conjugate. The assay sample and buffer are incubated together with NPPB-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 NPPB concentration since NPPB from samples and NPPB-HRP conjugate compete for the anti-NPPB antibody binding site. Since the number of sites is limited, as more sites are occupied by NPPB from the sample, fewer sites are left to bind NPPB-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NPPB concentration in each sample is interpolated from this standard curve. Intended Uses: This NPPB ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep NPPB. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for NPPB elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505433
NCBI GeneID	4879
NCBI Accession #	NP_002512.1
NCBI GenBank Nucleotide #	NM_002521.2
Molecular Weight	14,726 Da
NCBI Official Full Name	natriuretic peptides B preproprotein
NCBI Official Synonym Full Names	natriuretic peptide B
NCBI Official Symbol	NPPB
NCBI Official Synonym Symbols	BNP
NCBI Protein Information	natriuretic peptides B; natriuretic protein; brain type natriuretic peptide; gamma-brain natriuretic peptide; natriuretic peptide precursor B
UniProt Protein Name	Natriuretic peptides B
UniProt Gene Name	NPPB
UniProt Synonym Gene Names	BNP(1-32); BNP-32
UniProt Entry Name	ANFB_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.