

Goat Substance P ELISA Kit | SP elisa kit

Goat Substance P ELISA Kit

CATALOG #
AAA93363

REACTIVITY
Goat

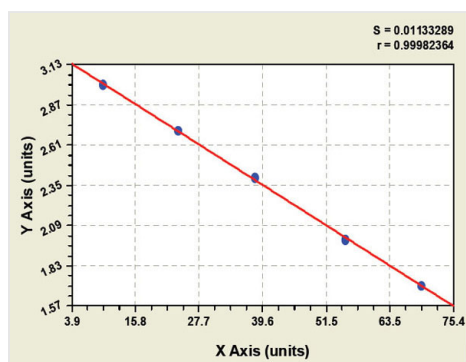
PRODUCT SYNONYMS

Substance P; Goat Substance P ELISA Kit; SP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Goat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SP elisa kit

Intended Uses: This S.P ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Goat S.P. This ELISA kit for research use only!

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

Product Categories/Family for SP elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	56068
NCBI GeneID	24806
UniProt Accession #	P06767; P08856; P08857; P22356; Q6LD93
Molecular Weight	15,001 Da
NCBI Official Full Name	substance P
NCBI Official Synonym Full Names	tachykinin, precursor 1
NCBI Official Symbol	Tac1
NCBI Official Synonym Symbols	TAC; PPTA3; Ppt5fl; RATPPTA3
NCBI Protein Information	protachykinin-1; PPT; tachykinin 1; Tachykinin (substance P, neurokinin A, neuropeptide K, neuropeptide gamma)
UniProt Protein Name	Protachykinin-1
UniProt Gene Name	Tac1
UniProt Synonym Gene Names	Nka; Nkna; Tac2; NKA; NPK
UniProt Entry Name	TKN1_RAT

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/sp-goat-elisa-kits/substance-p/93363>