

Rat Substance P ELISA Kit | S.P elisa kit

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CATALOG #
AAA16421

REACTIVITY
Rat

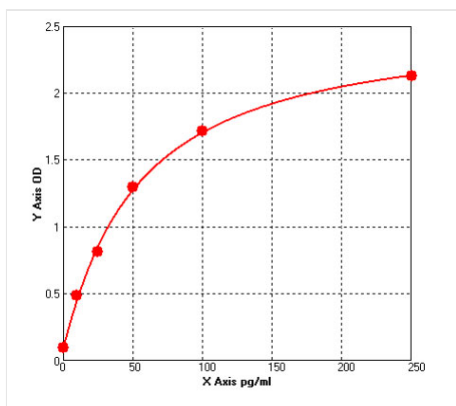
PRODUCT SYNONYMS

Substance P; Rat Substance P ELISA Kit; S.P elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of SP. No significant cross-reactivity or interference between SP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for S.P elisa kit	Principle of the Assay: SP ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for SP. Standards or samples are then added to the microtiter plate wells and SP if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of SP present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for SP are added to each well to "sandwich" the SP immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain SP and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SP concentration in each sample is interpolated from this standard curve. Intended Uses: This SP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SP. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for S.P elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	56068
NCBI GeneID	24806
UniProt Accession #	P06767; P08856; P08857; P22356; Q6LD93
Molecular Weight	11,374 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/s-p-rat-elisa-kits/substance-p/16421>