

Guinea Pig pig Substance P (SP) ELISA Kit | SP elisa kit

Guinea Pig Substance P, SP ELISA Kit

CATALOG #
AAA80911

REACTIVITY
Guinea Pig

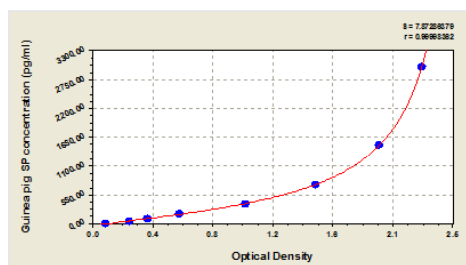
PRODUCT SYNONYMS

pig Substance P (SP); Guinea Pig Substance P; SP ELISA Kit; Guinea pig Substance P (SP) ELISA Kit; SP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of guinea pig SP. No significant cross-reactivity or interference between guinea pig SP and analogues was observed.
Sequence Length	49
Samples	Serum, plasma
Assay Type	Sandwich
Detection Range	47 pg/ml -3000 pg/ml.
Sensitivity	The minimum detectable dose of guinea pig SP is typically less than 11.8 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SP elisa kit	Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SP is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SP bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	224037302
UniProt Accession #	D0PTV7
Molecular Weight	5,522 Da
NCBI Official Full Name	substance P, partial
UniProt Protein Name	Substance P
UniProt Entry Name	D0PTV7_CRYPR

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://www.aaabiotech.com/guinea-pig-pig-elisa-kits/pig-substance-p-sp/80911>