

Rat Tachykinin Receptor 1 (TACR1) ELISA Kit | TACR1 elisa kit

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CATALOG #
AAA189727

REACTIVITY
Rat

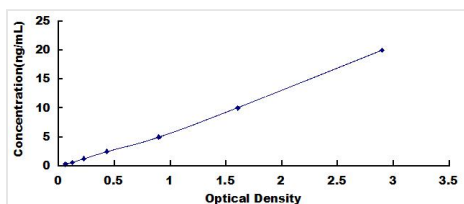
PRODUCT SYNONYMS

Tachykinin Receptor 1 (TACR1); Rat Tachykinin Receptor 1 (TACR1) ELISA Kit; NK1R; SPR; NKIR; TAC1R; Neurokinin 1 Receptor; Substance P Receptor; TACR1/Tachykinin Receptor 1; TACR1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of TACR1. No significant cross-reactivity or interference between TACR1 and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.117ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level TACR1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level TACR1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TACR1 elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to TACR1. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to TACR1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain TACR1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of TACR1 in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of TACR1 in rat serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for TACR1 elisa kit	Neuro science

NCBI AND UNIPROT INFORMATION

NCBI GI #	128360
NCBI GeneID	24807
UniProt Accession #	P14600
Molecular Weight	46,366 Da
NCBI Official Full Name	Substance-P receptor
NCBI Official Synonym Full Names	tachykinin receptor 1
NCBI Official Symbol	Tacr1
NCBI Official Synonym Symbols	Tac1r
NCBI Protein Information	substance-P receptor
UniProt Protein Name	Substance-P receptor
UniProt Gene Name	Tacr1
UniProt Synonym Gene Names	Tac1r; SPR; NK-1R
UniProt Entry Name	NK1R_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/rat-elisa-kits/tachykinin-receptor-1-tacr1/189727>