

Human Tachykinin, Precursor 1 (TAC1) ELISA Kit | TAC1 elisa kit

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CATALOG #
AAA140744

REACTIVITY
Human

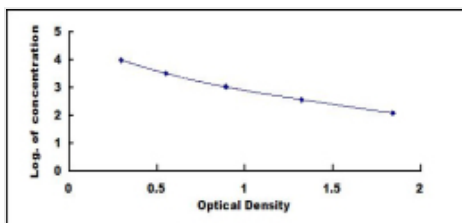
PRODUCT SYNONYMS

Tachykinin; Precursor 1 (TAC1); Human Tachykinin; Precursor 1 (TAC1) ELISA Kit; NK2; NKNA; NKA; TAC2; •PPT; Protachykinin-1; Substance P; Neurokinin A; Neuromedin L; Substance K; Neuropeptide K; Neuropeptide gamma; C-terminal-flanking peptide; TAC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Tachykinin, Precursor 1 (TAC1). No significant cross-reactivity or interference between Tachykinin, Precursor 1 (TAC1) and analogues was observed.
Sequence Length	129
Assay Type	Competitive Inhibition
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	123.5-10,000pg/mL
Sensitivity	51.9pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Tachykinin, Precursor 1 (TAC1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Tachykinin, Precursor 1 (TAC1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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 TAC1 elisa kit	This assay employs the competitive inhibition enzyme immunoassay technique. A monoclonal antibody specific to Tachykinin, Precursor 1 (TAC1) has been pre-coated onto a microplate. A competitive inhibition reaction is launched between biotin labeled Tachykinin, Precursor 1 (TAC1) and unlabeled Tachykinin, Precursor 1 (TAC1) (Standards or samples) with the pre-coated antibody specific to Tachykinin, Precursor 1 (TAC1). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Tachykinin, Precursor 1 (TAC1) in the sample. After addition of the substrate solution, the intensity of color developed is reverse proportional to the concentration of Tachykinin, Precursor 1 (TAC1) in the sample.
Product Categories/Family for TAC1 elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	17390092
NCBI GeneID	6863
Molecular Weight	11,376 Da
NCBI Official Full Name	Tachykinin, 1
NCBI Official Synonym Full Names	tachykinin, precursor 1
NCBI Official Symbol	TAC1
NCBI Official Synonym Symbols	NK2; NPK; NKNA; TAC2; Hs.2563
NCBI Protein Information	protachykinin-1
UniProt Protein Name	Protachykinin-1
UniProt Gene Name	TAC1
UniProt Synonym Gene Names	NKA; NKNA; TAC2; NKA; NPK
UniProt Entry Name	TKN1_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.