

Mouse Protachykinin-1 ELISA Kit | Tac1 elisa kit

Mouse Protachykinin-1 ELISA Kit

CATALOG #
AAA102099

REACTIVITY
Mouse

PRODUCT SYNONYMS

Protachykinin-1; Mouse Protachykinin-1 ELISA Kit; Tac1/Neurokinin-1/neurokinin 1/neurokinin 2/neurokinin A/neuromedin L; neurokinin alpha; neuropeptide K; neuropeptide gamma)/neuropeptide gamma/neuropeptide K/NK2/NKA/NKANeurokinin alpha/NPK/PPT/protachykinin-1/substance K/substance P/TAC2neuromedin L/tachykinin 2/tachykinin; precursor 1/tachykinin; precursor 1 (substance K; substance P; neurokinin 1; neurokinin 2; Tac1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Syn1. No significant cross-reactivity or interference between Syn1 and analogues was observed.
Sequence Length	96
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Syn1 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Syn1 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES

Typical Data & Standard Curve

Results of a typical standard operation of a Tac1 ELISA Kit are listed below. This standard curve was generated at our lab for demonstration purpose only. Users shall obtain standard curve as per experiment by themselves. (N/A not applicable)

X	pg/ml	0	31.25	62.5	125	250	500	1000	2000
Y	OD450	0.170	0.215	0.307	0.432	0.639	1.050	1.693	2.388

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Tac1 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-Syn1 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Syn1 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Syn1 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Syn1 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	7770079
NCBI GeneID	6863
NCBI Accession #	NP_054704.1
NCBI GenBank Nucleotide #	NM_013998.2
Molecular Weight	11,376 Da
NCBI Official Full Name	protachykinin-1 isoform delta
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.

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Online datasheet: <https://stage.aaabiotech.com/tac1-mouse-elisa-kits/protachykinin-1/102099>