

ARG81122 Neurotensin ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81122-001	Microtiter Plate	12 x 8 strips	4°C
ARG81122-002	20X assay buffer concentrate	50 ml	4°C
ARG81122-003	Acetate Plate sealer (APS)	3 pieces	4°C
ARG81122-004	Primary antibody (Rabbit anti-peptide IgG)	1 vial	4°C
ARG81122-005	Standard peptide	1 vial	4°C
ARG81122-006	Biotinylated peptide	1 vial	4°C
ARG81122-007	Streptavidin-HRP	30 µl	4°C
ARG81122-008	Positive control	2 vials	4°C
ARG81122-009	Substrate Solution (TMB)	12 ml	4°C, ready for use
ARG81122-010	2N HCl	15 ml	4°C, ready for use

Summary

Product Description	ARG81122 Neurotensin ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human, Mouse and Rat Neurotensin in blood collection, plasma extraction, tissue extraction and CSF extraction.
Tested Reactivity	Hu, Ms, Rat
Tested Application	ELISA
Specificity	Cross Reactivity: Neurotensin: 100% Neurotensin (Guinea Pig): 26% Neuromedin N (Porcine): 0.03% Substance P, Kinetensin and Bombesin: 0%
Target Name	Neurotensin
Conjugation	HRP
Conjugation Note	TMB substrate is used for color development at 450 nm.
Sensitivity	0.2 ng/ml
Detection Range	0.2 - 3.51 ng/ml
Sample Type	Blood collection, plasma extraction, tissue extraction and CSF extraction.
Standard Range	0 - 100 ng/ml
Sample Volume	50 µl

Alternate Names NMN-125; NN; NTS1; Neurotensin/neuromedin N; NT/N; NmN; NT; NmN-125

Application Instructions

Assay Time ~6 hour

Properties

Form 96 well

Storage instruction Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links [GeneID: 4922 Human](#)
[GeneID: 67405 Mouse](#)
[Swiss-port # P30990 Human](#)
[Swiss-port # Q9D3P9 Mouse](#)

Gene Symbol NTS

Gene Full Name neurotensin

Background This gene encodes a common precursor for two peptides, neuromedin N and neurotensin. Neurotensin is a secreted tridecapeptide, which is widely distributed throughout the central nervous system, and may function as a neurotransmitter or a neuromodulator. It may be involved in dopamine-associated pathophysiological events, in the maintenance of gut structure and function, and in the regulation of fat metabolism. Neurotensin also exhibits antimicrobial activity against bacteria and fungi. Tissue-specific processing may lead to the formation in some tissues of larger forms of neuromedin N and neurotensin. The large forms may represent more stable peptides that are also biologically active. [provided by RefSeq, Oct 2014]

Function Neurotensin may play an endocrine or paracrine role in the regulation of fat metabolism. It causes contraction of smooth muscle. [UniProt]

Highlight Related products:
[Neurotensin antibodies](#); [Neurotensin ELISA Kits](#);
New ELISA data calculation tool:
[Simplify the ELISA analysis by GainData](#)

Research Area Neuroscience kit; Signaling Transduction kit

ARG81122 Neurotensin ELISA Kit standard curve image

ARG81122 Neurotensin ELISA Kit results of a typical standard run with optical density reading at 450 nm.

