

DESCRIPTION

Species Reactivity	Human
Specificity	Detects a synthetic peptide around aa 135 in Direct ELISA
Source	Monoclonal Mouse IgG _{2A} Clone # 1075611
Purification	Protein A or G purified
Immunogen	Neurotensin containing synthetic peptide Accession # P30990
Conjugate	Alexa Fluor Plus 488 Excitation Wavelength: 493 nm Emission Wavelength: 518 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. *General Protocols* are available in the *Technical Information* section on our website.

Immunohistochemistry Optimal dilution of this antibody should be experimentally determined.

DATA

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Neurotensin is a neuropeptide neurotransmitter expressed in both the central and peripheral nervous systems. It acts as a neurotransmitter in the central nervous system and as a hormone in the periphery. This neuropeptide has many roles in the body such as: temperature regulation, feeding, analgesia, ethanol sensitivity, psychosis, substance use, and pain. Neurotensin may also play an endocrine or paracrine role in the regulation of fat metabolism. It is expressed in neuronal synaptic vesicles in the CNS and in the periphery is expressed in the GI tract and in neuroendocrine cells.

References:

1. Torruella-Suárez ML, McElligott ZA. Neurotensin in reward processes. *Neuropharmacology*. 2020 May 1;167:108005. doi: 10.1016/j.neuropharm.2020.108005. Epub 2020 Feb 11. PMID: 32057800; PMCID: PMC7238864.
2. Mazella J, Béraud-Dufour S, Devader C, Massa F, Coppola T. Neurotensin and its receptors in the control of glucose homeostasis. *Front Endocrinol (Lausanne)*. 2012 Nov 26;3:143. doi: 10.3389/fendo.2012.00143. PMID: 23230428; PMCID: PMC3515879.

PRODUCT SPECIFIC NOTICES

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