

DESCRIPTION

Species Reactivity	Human
Specificity	Detects a peptide specific for Neuronostatin in a region around amino acid 95 in Direct ELISA.
Source	Monoclonal Rabbit IgG Clone # 2956E
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human Neuronostatin containing synthetic peptide
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% 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.

Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

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

Neuronostatin is a 13-amino acid bioactive peptide hormone encoded by the somatostatin gene. Neuronostatin has a widespread effect in the CNS and peripheral tissues. It reduces food and water intake, increases mean arterial pressure, delays gastrointestinal transit, and increases glucagon secretion from pancreatic islet alpha cells among other things. Neuronostatin is produced in the endocrine pancreas, specifically pancreatic beta cells. The amounts of immunoreactive neuronostatin are highest in spleen, pancreas, cerebrum, and hypothalamus but is also found in diverse tissues including the heart.

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