

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Neuromedin B R/NMBR in direct ELISAs.
Source	Monoclonal Mouse IgG _{2B} Clone # 466501
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	NS0 mouse myeloma cell line transfected with human Neuromedin B R/NMBR Accession # NP_002502
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 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.

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

Neuromedin B Receptor (NMBR) is an 80 kDa, 390 amino acid (aa) G-protein coupled 7-transmembrane glycoprotein receptor for bombesin-like peptides, binding Neuromedin B with high affinity and GRP (gastrin releasing peptide) with lower affinity. Neuromedin B R expression in the olfactory and central thalamic regions of the brain plays a role in thermoregulation. It has also been shown to be mitogenic in colonic epithelium. Expression in the pituitary gland is important for regulation of the pituitary-thyroid axis. Within extracellular domains, human Neuromedin B R shares 86% and 82% aa identity with mouse and rat Neuromedin B R, respectively.

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