

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Neurturin in direct ELISAs and Western blots. In direct ELISAs, approximately 80% cross-reactivity with recombinant mouse Neurturin is observed and no cross-reactivity with recombinant mouse (rm) Artemin, recombinant human (rh)
Source	Monoclonal Mouse IgG _{2B} Clone # 126422
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Neurturin Ala96-Val197 Accession # Q99748
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.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Blockade of Receptor-ligand Interaction	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

Neurturin is a member of the GDNF family of ligands and is distantly related to TGF-β family ligands. It is a disulfide-linked homodimer that interacts with a receptor complex composed of a high affinity ligand binding component (GFRα1 or GFRα2) and a common signaling component, cRET. Neurturin promotes the survival of a variety of neurons and possibly other cell types.

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