

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Neurturin in direct ELISAs and Western blots. In sandwich immunoassays, no cross-reactivity with recombinant mouse Neurturin, recombinant human (rh) TGF- α , rhTGF- β 2, rhTGF- β 1.2, rhTGF- β 3, rhGDNF, rhLAP, or recombinant rat TGF- β 5 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 126424
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Neurturin Ala96-Val197 Accession # Q99748
Endotoxin Level	<0.10 EU per 1 μ g of the antibody by the LAL method.
Formulation	Lyophilized from a 0.2 μ m filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μ m filtered solution in PBS.

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.

	Recommended Concentration	Sample
Western Blot	1 μ g/mL	Recombinant Human Neurturin (Catalog # 1297-NE)
Blockade of Receptor-ligand Interaction	In a functional ELISA, 0.06-0.3 μ g/mL of this antibody will block 50% of the binding of 50 ng/mL of Recombinant Human Neurturin (Catalog # 1297-NE) to immobilized Recombinant Human GFR α -2 Fc Chimera (Catalog # 613-FR) coated at 1 μ g/mL (100 μ L/well). At 5 μ g/mL, this antibody will block >90% of the binding.	
ELISA	This antibody functions as an ELISA capture antibody when paired with Mouse Anti-Human Neurturin Monoclonal Antibody (Catalog # MAB3872). <i>This product is intended for assay development on various assay platforms requiring antibody pairs.</i>	

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

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 (GFR α 1 or GFR α 2) and a common signaling component, cRET. Neurturin promotes the survival of a variety of neurons and possibly other cell types.