

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human NRG1-β1 in ELISAs. Recognizes an epitope found in the EGF-like domain of NRG1-β1 (amino acids 179-246). It also detects recombinant human SMDF (Sensory and Motor neuron-Derived Factor), but it does not recognize the EGF-like domain of human
Source	Monoclonal Mouse IgG ₁ Clone # 147705
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human NRG1-β1/HRG1-β1 Ser2-Lys246 Accession # AAA58639
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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	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

Neuregulin-1, also known as Heregulin 1, functions as a ligand for the receptor tyrosine kinases, ErbB3 and ErbB4. It exists in several different mRNA splicing variants resulting in both transmembrane and secreted forms.

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