

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human INSRR in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human Insulin receptor is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 326903
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human INSRR Leu24-Leu923 Accession # P14616
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.

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

INSRR is a 175 kDa orphan receptor belonging to the insulin receptor subfamily of the receptor tyrosine kinase family. It is expressed in neuroblastoma and many adult tissues, including kidney, heart, pancreas, liver and skeletal muscle. INSRR is synthesized as a single chain type I transmembrane glycoprotein precursor and undergoes proteolytic processing to generate the mature disulfide linked $\alpha 2/\beta 2$ tetrameric receptor. The α subunit is localized extracellularly while the transmembrane β subunit contains an extracellular domain, a transmembrane segment and a cytoplasmic kinase domain. The extracellular domain of human INSRR shares approximately 90% amino acid sequence identity with the mouse protein.

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