

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SLITRK4 in direct ELISAs and Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human SLITRK1, 2, 3, or 5 is observed.
Source	Monoclonal Mouse IgG _{2A} Clone # 319514
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human SLITRK4 Asp19-Pro616 Accession # Q8IW52
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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

Slit and Trk like gene 4 (SLITRK4) is one of six type I transmembrane (TM) proteins that belong to the SLITRK family of neurite guidance molecules. The extracellular region contains two blocks of leucine-rich repeats that are bounded by small cysteine-rich domains. The cytoplasmic region contains potential tyrosine kinase motifs reminiscent of the motifs on Trk receptors. Human SLITRK4 extracellular domain shares 98% aa sequence identity with the extracellular domains of both canine and mouse SLITRK4.

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