

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SALM2 in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human SALM1, 3, or 4 is observed.
Source	Monoclonal Mouse IgG _{2B} Clone # 610712
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human SALM2 Gln32-Gly534 (predicted) Accession # Q9P244
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.

Immunohistochemistry 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

SALM2 (synaptic adhesion-like molecule 2), also called LRFN1 (leucine-rich repeat and fibronectin type-III domain-containing protein 1) is a 105 kDa member of the LRFN family of type I transmembrane glycoproteins. The 740 amino acid (aa) mature human SALM2 contains a 505 aa extracellular domain that includes seven leucine-rich repeats (LRR), an IgC2-like domain, and a fibronectin type-III domain. Mature human SALM2 shares 99% aa identity with mouse and rat SALM2. SALM2 co-localizes with both pre- and post-synaptic proteins at excitatory synapses in mature neurons and promotes neurite outgrowth.

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