

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human SorLA in direct ELISAs.
Source	Monoclonal Mouse IgG ₁ Clone # 525122
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human SorLA Ser82-Ser1550 Accession # Q92673
Conjugate	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 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

SorLA (sortilin-related receptor, LDLR class A repeats-containing), also called LR11 or SORL1, is a 250 kDa type I transmembrane glycoprotein of the Sortilin family of Vps10p-domain receptors. SorLA is found in both intracellular and surface membranes in the central nervous system, and mediates trafficking of proteins such as the amyloid precursor protein (APP). The 2214 amino acid (aa) human SorLA includes a 28 aa signal sequence, a 53 aa furin-cleaved propeptide, and a 2056 aa extracellular domain. The region used as an immunogen, which includes BNR, LDLR class A and B, and EGF-like domains, but excludes fibronectin-like domains, shares 95% aa identity with mouse and rat SorLA.

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