

## DESCRIPTION

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|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species Reactivity</b> | Human                                                                                                                                                                                                                                                                       |
| <b>Specificity</b>        | Detects human SorLA in direct ELISAs.                                                                                                                                                                                                                                       |
| <b>Source</b>             | Monoclonal Mouse IgG <sub>1</sub> Clone # 525122                                                                                                                                                                                                                            |
| <b>Purification</b>       | Protein A or G purified from hybridoma culture supernatant                                                                                                                                                                                                                  |
| <b>Immunogen</b>          | Chinese hamster ovary cell line CHO-derived recombinant human SorLA<br>Ser82-Ser1550<br>Accession # Q92673                                                                                                                                                                  |
| <b>Conjugate</b>          | Alexa Fluor 405<br>Excitation Wavelength: 405 nm<br>Emission Wavelength: 421 nm                                                                                                                                                                                             |
| <b>Formulation</b>        | Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide<br><br>*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

|                                |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| <b>Shipping</b>                | The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below. |
| <b>Stability &amp; Storage</b> | 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.

## PRODUCT SPECIFIC NOTICES

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