

DESCRIPTION

Species Reactivity	Mouse/Rat
Specificity	Detects mouse and rat SIGNR3/CD209d in Western blots. In Western blots, 100% cross-reactivity with recombinant mouse (rm) SIGNR1, 50% cross-reactivity with rmSIGNR7, and no cross-reactivity with rmSIGNR4 is observed. In direct ELISAs, no cross-reactivity
Source	Monoclonal Rat IgG _{2A} Clone # 728804
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse SIGNR3/CD209d Glu82-Lys237 Accession # Q91ZW8
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

SIGNR3 (designated CD209d) is a 237 amino acid (aa), ~34 kDa type II transmembrane glycoprotein that is one of several mouse orthologs of human DC-SIGN (CD209). SIGNR3 is a calcium-binding C-type lectin that is expressed on myeloid mononuclear cells and a subpopulation of dendritic cells in the dermis, blood, and most lymphoid organs. Like human DC-SIGN, SIGNR3 recognizes high-mannose and fucose-terminated glycans and protects against pathogens such as *Candida albicans* and *Mycobacterium tuberculosis*. Within the region used as an immunogen, mouse and rat SIGNR3 share 91% aa sequence identity. A 207 aa isoform lacks aa 45-74, which includes the transmembrane domain.

PRODUCT SPECIFIC NOTICES

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