

## DESCRIPTION

<b>Species Reactivity</b>	Mouse
<b>Specificity</b>	Detects mouse Siglec-1/CD169 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human Siglec-1, -5, -6, -7, -8, -9, -10, -11, -14, recombinant mouse Siglec-2, -3, -E, -F, -G, or -H is observed.
<b>Source</b>	Monoclonal Rat IgG <sub>2A</sub> Clone # 645608
<b>Purification</b>	Protein A or G purified from hybridoma culture supernatant
<b>Immunogen</b>	Mouse myeloma cell line NS0-derived recombinant mouse Siglec-1/CD169 Thr20-Leu1639 (predicted) Accession # Q62230
<b>Conjugate</b>	Alexa Fluor 750 Excitation Wavelength: 749 nm Emission Wavelength: 775 nm
<b>Formulation</b>	Supplied 0.2 mg/mL in a saline solution containing BSA and 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.

<b>Flow Cytometry</b>	Titration recommended for optimal concentration with starting range of 0.1-1 µg/1 million cells. Sample used for this experiment was RAW 264.7 mouse monocyte/macrophage cells stimulated with 1ug/ml LPS overnight.
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## 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>	<b>Protect from light. Do not freeze.</b> • 12 months from date of receipt, 2 to 8 °C as supplied.

## BACKGROUND

Siglec-1, also known as sialoadhesin or CD169, is a 175-185 kDa type I transmembrane glycoprotein belonging to the Siglec family of sialic acid specific I-type lectins within the immunoglobulin superfamily. Mouse Siglec-1 contains a 1619 amino acid (aa) extracellular domain (ECD) with one Ig-like V-set domain and 16 Ig-like C2-set domains. The ECD shares 73% and 83% aa sequence identity with human and rat Siglec-1, respectively. Alternate splicing generates two soluble isoforms containing either 16 or the first 3 Ig-like domains. Siglec-1 is expressed by some tissue macrophages, dendritic cells and circulating monocytes during certain infections. It binds sialylated molecules including MMR, MGL1/CD301a, MUC1, PSGL-1 and CD43.

## PRODUCT SPECIFIC NOTICES

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