

# Mouse Siglec-3/CD33 Antibody

Monoclonal Rat IgG<sub>2B</sub> Clone # 925763 Catalog Number: MAB2220

DESCRIPTION			
Species Reactivity	Mouse		
Specificity	Detects mouse Siglec-3/CD33 in direct ELISAs.		
Source	Monoclonal Rat IgG <sub>2B</sub> Clone # 925763		
Purification	Protein A or G purified from hybridoma culture supernatant		
Immunogen	S. frugiperda insect ovarian cell line Sf 21-derived recombinant mouse Siglec-3/CD33 Gln17-Val244 Accession # Q63994		
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.		

# **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.

	Recommended Concentration	Sample
Western Blot	2 μg/mL	See Below

### DATA Western Blot Detection of Mouse Siglec-3/CD33 by Western Blot. Western blot shows lysates of kDa EL-4 mouse lymphoblast cell line. PVDF membrane was probed with 2 $\mu\text{g/mL}$ of Rat Anti-Mouse Siglec-3/CD33 Monoclonal Antibody (Catalog # MAB2220) followed by 150 -HRP-conjugated Anti-Rat IgG Secondary Antibody (Catalog # HAF005). A specific band was detected for Siglec-3/CD33 at Siglec-3/CD33 approximately 65 kDa (as indicated). This 50 experiment was conducted under reducing 37 conditions and using Immunoblot Buffer Group 1. 15 -

# PREPARATION AND STORAGE Reconstitution Reconstitute at 0.5 mg/mL in sterile PBS. Shipping The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. \*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C Stability & Storage Use a manual defrost freezer and avoid repeated freeze-thaw cycles. • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

## BACKGROUND

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Siglecs (Sialic acid binding Ig-like Lectins) are I-type (Ig-type) cell-surface lectins that recognize sialic acid within specific glycan structures. Mouse Siglec-3, also known as CD33 and GP67, is expressed primarily on myeloid precursors in the bone marrow and on granulocytes in peripheral blood. Two isoforms have been reported for mouse Siglec-3 that display distinct cytoplasmic domains resulting from differential mRNA splicing.

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