Mouse CD302/CLEC13A APC-conjugated Antibody

Monoclonal Rat IgG_{2B} Clone # 662713

Catalog Number: FAB6424A

100 TESTS

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse CD302/CLEC13A in direct ELISAs.
Source	Monoclonal Rat IgG_{2B} Clone # 662713
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse CD302/CLEC13A Met1-Cys165 Accession # Q9DGC2
Conjugate	Allophycocyanin Excitation Wavelength: 620-650 nm Emission Wavelength: 660-670 nm
Formulation	Supplied in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.

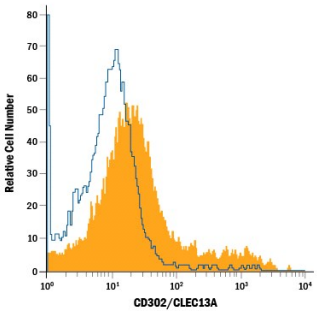
APPLICATIONS

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.*

	Recommended Concentration	Sample
Flow Cytometry	10 µL/10^6 cells	See Below

DATA

Flow Cytometry



Detection of CD302/CLEC13A in RAW 264.7 Mouse Cell Line by Flow Cytometry. RAW 264.7 mouse monocyte/macrophage cell line was stained with Rat Anti-Mouse CD302/CLEC13A APC-conjugated Monoclonal Antibody (Catalog # FAB6424A, filled histogram) or isotype control antibody (Catalog # IC005A, open histogram). View our protocol for Staining Membrane-associated Proteins.

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

CD302, also known as CLEC13A and DCL-1, is a 35 kDa type I transmembrane glycoprotein in the C-type lectin family. CD302 is expressed on monocytes, macrophages, dendritic cells, and granulocytes. It contains one carbohydrate binding domain in its extracellular region and can mediate antigen uptake. In human Hodgkin's disease, a fusion protein containing portions of CD302 and the ECD of DEC-205 is expressed on Reed-Sternberg cells. Within the ECD, mouse CD302 shares 82% and 92% aa sequence identity with human and rat CD302, respectively.