Human MICL/CLEC12A
Alexa Fluor® 350-conjugated Antibody

Monoclonal Mouse IgG_{2B} Clone # 687317

Catalog Number: FAB2946U

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MICL/CLEC12A in direct ELISAs. In direct ELISAs, no cross-reactivity with recombinant human (rh) CLEC1, 2, 2A, 3B, 9A, 10A, 12B, 14A, rhCD302/CLEC13A recombinant mouse (rm) CLEC4B2, or rmMICL is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 687317
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MICL/CLEC12A Thr67-Ala265 Accession # Q5QGZ9
Conjugate	Alexa Fluor 350 Excitation Wavelength: 346 nm Emission Wavelength: 442 nm
Formulation	Supplied 0.2 mg/mL 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	0.25-1 µg/10^6 cells	Human peripheral blood granulocytes

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

Human MICL (myeloid inhibitory C-type lectin-like receptor; also CLL-1 and KLRL-1) is a 75 kDa member of the group V C-type lectin-like receptor family of molecules. Group V molecules have a lectin-type domain that binds non-sugar ligands. MICL is a 265 amino acid (aa) type II transmembrane (TM) glycoprotein that contains a 200 aa extracellular domain (ECD). Multiple isoforms of MICL are reported. One potentially utilizes an alternate start site that adds 10 aa to the cytoplasmic domain. There is one potential soluble form that lacks the TM segment, and two truncated ECD isoforms. Human MICL ECD is 53%, 65%, and 55% aa identical to the ECD in mouse, dog and cow, respectively.

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