

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human MICL/CLEC12A in direct ELISAs.
Source	Recombinant Monoclonal Rabbit IgG Clone # 2439B
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human MICL/CLEC12A Thr67-Ala265 Accession # Q5QGZ9
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 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. <ul style="list-style-type: none"> 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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