Mouse MICL/CLEC12A Antibody

Recombinant Monoclonal Rat IgG_{2A} Clone # 812303R

Catalog Number: MAB2950R

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MICL/CLEC12A in direct ELISAs.
Source	Recombinant Monoclonal Rat IgG_{2A} Clone # 812303R
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MICL/CLEC12A Thr67-Arg267 Accession # Q504P2
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.

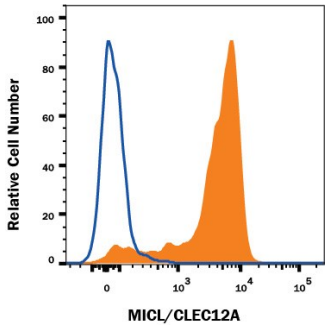
APPLICATIONS

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
Flow Cytometry	0.25 µg/10^6 cells	See Below
CyTOF-ready	Ready to be labeled using established conjugation methods. No BSA or other carrier proteins that could interfere with conjugation.	

DATA

Flow Cytometry



Detection of MICL/CLEC12A in Mouse Bone Marrow by Flow Cytometry. Mouse bone marrow cells were stained with either (A) Rat Anti-Mouse MICL/CLEC12A Monoclonal Antibody (Catalog # MAB2950R) or (B) Rat IgG2A Isotype Control (Catalog # MAB006) followed by Goat Anti-Rat PE-conjugated secondary antibody (Catalog # F0105B). Cells were first gated on Rat Anti-Mouse CD11c APC-conjugated Monoclonal Antibody (Catalog # FAB69501A, not shown). View our protocol for Staining Membrane-associated Proteins.

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

MICL, also known as killer cell lectin-like receptor 1 (KLR1), is an inhibitory C-type lectin-like receptor that contains an immunoreceptor tyrosine-based inhibitory motif (ITIM). It is a75 kDa type II membrane protein that is expressed on neutrophils, NK cells, monocytes and dendritic cells. The amino acid sequence of mouse MICL extracellular domain is 53%, 52% and 58% identical to that of human, bovine and canine MICL, respectively.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449