

Mouse MICL/CLEC12A Alexa Fluor® 647-conjugated Antibody

Monoclonal Rat IgG_{2A} Clone # 812303

Catalog Number: FAB9550R

100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse MICL/CLEC12A in direct ELISAs.
Source	Monoclonal Rat IgG _{2A} Clone # 812303
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse MICL/CLEC12A with an N-terminal 9-His tag Thr67-Arg267 Accession # Q504P2
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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	CD8+ CD11c+ Mouse Splenocytes

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

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 a 75 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.

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