Human DCIR/CLEC4A APC-conjugated Antibody

Monoclonal Mouse IgG_1 Clone # 216110

Catalog Number: FAB1748A

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DCIR/CLEC4A in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG_1 Clone # 216110
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Mouse myeloma cell line NS0-derived recombinant human DCIR isoform 1 Gln70-Leu237 Accession # Q9UMR7
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.

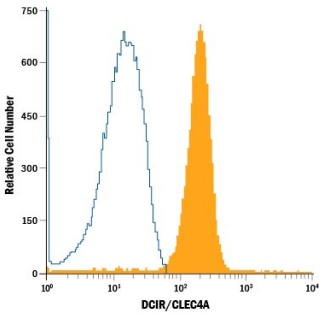
APPLICATIONS

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 DCIR/CLEC4A in Human Blood Neutrophils by Flow Cytometry. Human peripheral blood neutrophils were stained with Mouse Anti-Human DCIR/CLEC4A APC-conjugated Monoclonal Antibody (Catalog # FAB1748A, filled histogram) or isotype control antibody (Catalog # IC002A, 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

DCIR, also known as Lectin-like Immunoreceptor (LLIR), is a type II membrane protein belonging to the C-type lectin domain family and is designated CLEC4A (previously designated CLECSF6). Four transcript variants encoding distinct isoforms have been identified. DCIR contains one carbohydrate recognition domain in its C-terminal extracellular domain and an immunoreceptor tyrosine-based inhibitory motif (ITIM) in its cytoplasmic domain. Besides DC, DCIR is expressed on B cells, monocytes/macrophages and granulocytes.

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