Human DARC APC-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 358307

Catalog Number: FAB4139A

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human DARC. Stains human DARC transfected cells but not irrelevant transfectants.
Source	Monoclonal Mouse IgG_{2A} Clone # 358307
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	HEK293 human embryonic kidney cell line transfected with human DARC Met1-Ser336 Accession # Q16570
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.

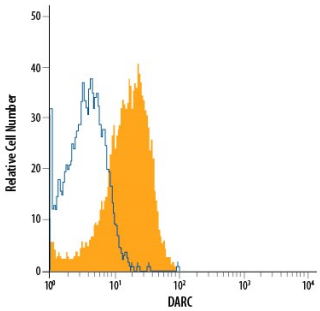
APPLICATIONS

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 DARC in Human Red Blood Cells by Flow Cytometry. Human red blood cells were stained with Mouse Anti-Human DARC APC-conjugated Monoclonal Antibody (Catalog # FAB4139A, filled histogram) or isotype control antibody (Catalog # IC003A, 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

Duffy Antigen Receptor for Chemokines (DARC), also known as Fy glycoprotein and CD234, is a 7TM non-signaling chemokine receptor that is expressed on venular endothelial cells and erythrocytes. DARC binds and mediates the internalization of several inflammatory CC and CXC chemokines. It transports chemokines to the lumenal face of venular endothelium to promote the extravasation of leukocytes to sites of inflammation. DARC polymorphisms are important in blood transfusion compatibility and determine the susceptibility of erythrocytes to *Plasmodium vivax* infection. Human DARC shares 60% amino acid sequence identity with mouse DARC.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956