Human CD277/BTN3A1 PE-conjugated Antibody

Recombinant Monoclonal Mouse IgG_1 Clone # 849203

Catalog Number: FAB7136P

25 Tests

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CD277/BTN3A1 in direct ELISAs.
Source	Recombinant Monoclonal Mouse IgG_1 Clone # 849203
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Chinese hamster ovary cell line CHO-derived recombinant human CD277/BTN3A1 Met1-Gly254 Accession # NP_008979
Conjugate	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 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.

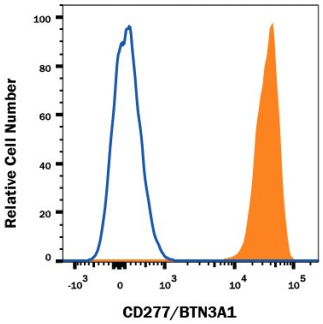
APPLICATIONS

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 CD277/BTN3A1 in Human Blood Lymphocytes by Flow Cytometry. Human peripheral blood lymphocytes were stained with Mouse Anti-Human CD277/BTN3A1 PE-conjugated Monoclonal Antibody (Catalog # FAB7136P, filled histogram) or isotype control antibody (Catalog # IC002P, 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

Butyrophilin BTN3A1, also known as CD277, has high structural homology to the B7 superfamily of proteins and is expressed in various immune cells such as T and NK cells. BTN3A1 enhances TCR-induced cytokine production and cell proliferation. Early T-cell activation events such as TCR-induced cell signaling are increased upon BTN3A1 engagement. The BTN3A1 co-stimulatory pathway may be involved in the regulation of various cell-mediated immune responses.

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