Elab Fluor®488 Anti-Human CD277 Antibody[ICT01]

Catalog Number: AN00888L

Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

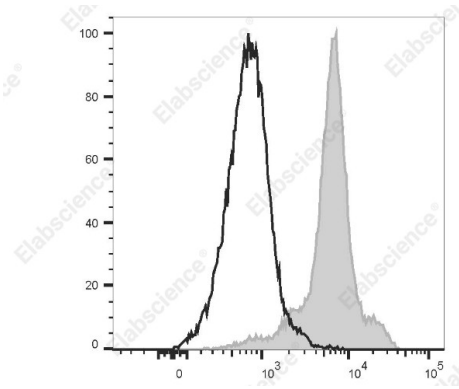
Description

Reactivity	Human
Host	Human
Isotype	Human IgG1, κ
Clone No.	ICT01
Isotype Control	Elab Fluor® 488 Anti-Human IgG1 Isotype Control Antibody[MOPC21.1] [Product AN00840L]
Conjugation	Elab Fluor®488
Conjugation Information	Elab Fluor®488 is designed to be excited by the Blue laser (488 nm) and detected using an optical filter centered near 520 nm (e.g., a 525/40 nm bandpass filter).
Storage Buffer	Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

Applications — Recommended usage

FCM	Each lot of this antibody is quality control tested by flow cytometric analysis. **The amount of the reagent is suggested to be used 5 μL of antibody per test (million cells in 100 μL staining volume or per 100 μL of whole blood).** Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for individual use.

Data



Staining of normal human peripheral blood cells with Elab Fluor®488 Anti-Human CD277 Antibody[ICT01](filled gray histogram) or Elab Fluor®488 Mouse IgG1, κ Isotype Control (empty black histogram). Cells in the lymphocytes gate were used for analysis.

Preparation & Storage

Storage	Keep as concentrated solution. This product can be stored at 2-8°C for 24 months. Please protected from prolonged exposure to light and do not freeze.
Shipping	Ice bag

Antigen Information

Alternate Names	BT3.1;BTF;BTF5;BTN;BTN3.1;BTN3A;BTN3A1;Butyrophilin subfamily 3 member A; Butyrophilin subfamily 3 member A1;CD277
Uniprot ID	O00481

For Research Use Only

Background

Butyrophilin subfamily 3A (BTN3A), also known as CD277, is a 56 kD type 1 transmembrane glycoprotein. The butyrophilin (BT)/B7 3A family includes three members, BTN3A1, BTN3A2, and BTN3A3, which share a highly conserved extracellular IgV-like domain. BTN3A is broadly expressed in various immune cells including T cells, B cells, NK cells, monocytes, dendritic cells, endothelial cells, and some tumor cells. It plays a role in T cell activation, regulating their proliferation and release of IFNY and other cytokines.

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