Purified Anti-Human CD277 Antibody[E10331]

catalog number: **AN011870P**

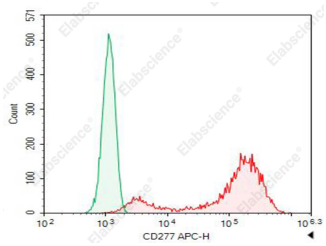
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human CD277 protein
Host	Mouse
Isotype	Mouse IgG2a, κ
Clone	E10331
Purification	>98%, Protein A/G purified
Conjugation	Unconjugated
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications	Recommended Dilution
FCM	2 μg/mL(0.5×10^6-1×10^6 cells)

Data



HEK293T cells transfected with pcDNA3.1 plasmid encoding human CD277 gene were fixation and permeabilization, intracellular stained with 0.2 μg Purified Anti-Human CD277 Antibody[E10331] (Right) and 0.2 μg Human IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Human IgG Secondary Antibody.

Preparation & Storage

Storage	Store at 4°C valid for 12 months or -20°C valid for long term storage, avoid freeze / thaw cycles.
Shipping	Ice bag

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 IFNγ and other cytokines.

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