Purified Anti-Human CD159a Antibody[S19004C]

catalog number: **AN010020P**

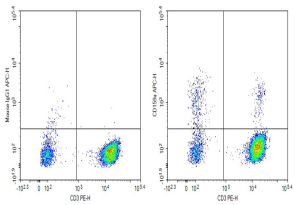
Note: *Centrifuge before opening to ensure complete recovery of vial contents.*

Description

Reactivity	Human
Immunogen	Recombinant Human CD159a protein
Host	Mouse
Isotype	Mouse IgG1, κ
Clone	S19004C
Purification	>98%, Protein A/G purified
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	≤ 0.2 μg per million cells in 100 μL volume

Data



Human peripheral blood lymphocytes were stained with 0.2 μg Purified Anti-Human CD159a Antibody[S19004C] (Right) and 0.2 μg Mouse IgG1, κ Isotype Control (Left), followed by APC-conjugated Goat Anti-Mouse IgG Secondary Antibody, then anti-Human CD3 PE-conjugated Monoclonal 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

CD159a, also known as NKG2A or KLRC1, is a type II transmembrane protein. It belongs to the killer cell lectin-like receptor family also known as the NKG2 family. It is expressed on NK and NKT cells and T cell subsets. NKG2A is an inhibitory NK cell receptor and it is expressed as a heterodimer with CD94. In human, NKG2A/CD94 complex interacts HLA-E on target cells and inhibits T cells and NK cell effector functions. Recent studies showed that NKG2A blockade enhances the anti-tumor effect of NK cell and CD8+ T cells.

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