

Purified Anti-Human CD159a Antibody[S19004C]

catalog number: **AN010020P**

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

Description

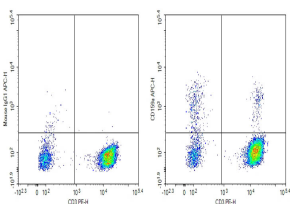
Reactivity	Human
Immunogen	Recombinant Human CD159a protein
Host	Mouse
Isotype	Mouse IgG1, κ
Clone	S19004C
Purification	>98%, Protein A/G purified
Buffer	Phosphate-buffered solution, pH 7.2, containing 0.05% non-protein stabilizer. Dialyze to completely remove the stabilizer prior to labeling.

Applications

Recommended Dilution

FCM	2 $\mu\text{g/mL}$ (0.5×10^6 - 1×10^6 cells)
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Data



Verified Samples in FCM: Human peripheral blood lymphocytes

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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