

PE/Cyanine7 Rabbit anti-Monkey/Human CD159a mAb

Catalog NO.: A29250

Basic Information

Observed MW

Calculated MW

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Human, Cynomolgus

Conjugation

PE-Cy7. Ex:565nm. Em:778nm.

Clone number

ARC82683

Background

CD159a (also known as NKG2A, encoded by the KLRC1 gene) is an inhibitory receptor present on the surface of natural killer (NK) cells and some T cells. When it binds to the HLA-E molecule, it transmits inhibitory signals and regulates the activity of immune cells. Certain viruses (such as HIV and CMV) upregulate the expression of HLA-E to bind to CD159a and inhibit the function of NK cells. Blocking the NKG2A/HLA-E pathway can restore antiviral immunity.

Recommended Dilutions

FC 5 µl per 10⁶ cells in 100 µl volume

Immunogen Information

Gene ID

Hu 3821/Cyno 102145514

Swiss Prot

Immunogen

Recombinant protein (or fragment).This information is considered to be commercially sensitive.

Synonyms

nkg2A

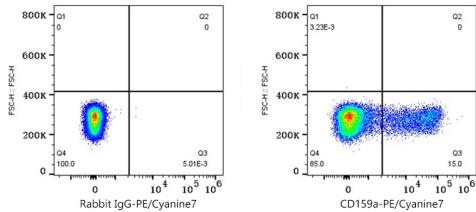
Contact

Product Information

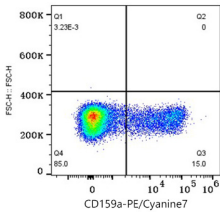
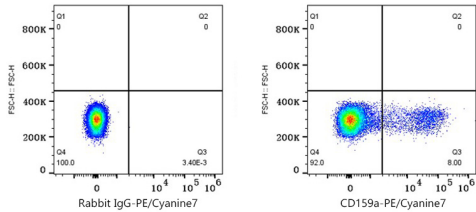
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Source	Isotype	Purification
Rabbit	IgG	Affinity purification
Storage		
Store at 2-8°C. Avoid freeze.		
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.		

Validation Data



Flow cytometry: 1X10^6 Cynomolgus PBMC were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5 μl/Test,left) or PE/Cyanine7 Rabbit anti-Monkey/Human CD159a mAb (A29250,5 μl/Test,right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry: 1X10^6 Human PBMC were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5 μl/Test,left) or PE/Cyanine7 Rabbit anti-Monkey/Human CD159a mAb (A29250,5 μl/Test,right). Cells in the lymphocyte gate were used for analysis.

