

# PE/Cyanine7 Rabbit anti-Monkey CD159a mAb

Catalog No.: A29249

## Basic Information

**Observed MW**

**Calculated MW**

**Category**

Primary antibody

**Applications**

FC

**Cross-Reactivity**

Cynomolgus

**CloneNo number**

ARC82681

**Conjugate**

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

## 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  $\mu$ l per  $10^6$  cells in 100  $\mu$ l volume

## Immunogen Information

**Gene ID**

102145514

**Swiss Prot**

**Immunogen**

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

**Synonyms**

nkg2A

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

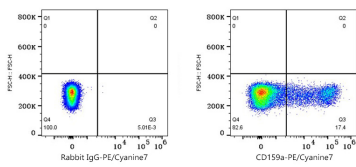
Affinity purification

**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<sup>6</sup> Cynomolgus PBMC were surface-stained with PE/Cyanine7 Rabbit IgG isotype control (5 µl/Test,left) or PE/Cyanine7 Rabbit anti-Monkey CD159a mAb (A29249,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.