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PE Rabbit anti-Rat CD8a mAb

Catalog No.: A28358

Basic Information

Observed MW

Calculated MW
32 kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Rat

CloneNo number
ARC77030

Conjugate
PE. Ex:565nm. Em:574nm.

Background

CD8a, a 32 kDa glycoprotein also known as T8, Lyt2, Ly-2, and CD8α, is a member of the immunoglobulin superfamily. It is expressed on most thymocytes, subsets of mature T cells, the majority of NK cells, macrophages, and some activated (non-resting) CD4+ T cells. CD8a forms a heterodimer with the CD8β chain (CD8b) on the surface of most thymocytes. In contrast, mature peripheral T lymphocytes predominantly express the CD8 αβ heterodimer. Intestinal intraepithelial lymphocytes express CD8a but lack CD8b expression. CD8 functions as an antigen co-receptor on T cells, interacting with Major Histocompatibility Complex (MHC) class I molecules on antigen-presenting cells or epithelial cells. CD8 participates in T cell activation by associating with the T cell receptor (TCR) complex and the protein tyrosine kinase lck (p56lck).

Recommended Dilutions

FC	≤0.25 μg per million cells in 100 μl volume

Immunogen Information

Gene ID
24930

Swiss Prot
P07725

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

Synonyms
T8; Lyt2; Ly-2; CD8α

Contact

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Product Information

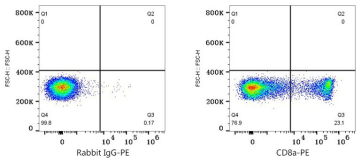
Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1X10^6 Rat splenocytes were surface-stained with PE Rabbit IgG isotype control (A24172,5 µl/Test,left) or PE Rabbit anti-Rat CD8a mAb (A28358,0.25 µg,right).