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PerCP/Cyanine5.5 Rabbit anti-NHP CD45 mAb

Catalog No.: A28683

Basic Information

Observed MW

Calculated MW
148 kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Cynomolgus, Rhesus

CloneNo number
ARC79398

Conjugate
PerCP-Cy5.5. Ex:482nm. Em:695nm.

Background

CD45 is a receptor-type protein tyrosine phosphatase, also known as Ly-5 or the leukocyte common antigen. It functions primarily by regulating the activation of Src family protein tyrosine kinases, such as Lck and Fyn, thereby initiating T cell receptor signaling. Deficiency in CD45 results in dysfunctional T and B lymphocytes, leading to severe combined immunodeficiency. Furthermore, CD45 plays a significant role in the pathogenesis of autoimmune diseases, cancer, and infectious diseases, including fungal infections.

Recommended Dilutions

FC	5 µl per 10^6 cells in 100 µl volume

Immunogen Information

Gene ID
102116047

Swiss Prot
A0A2K5VQ77

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

Synonyms
Pan Leukocyte; NHP-specific; PTPRC; LCA; L-CA; Leukocyte Common Ag

Contact

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Product Information

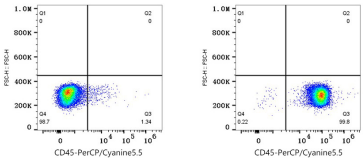
Source
Rabbit

Isotype
IgG

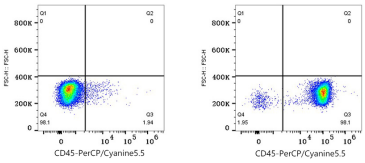
Purification
Affinity purification

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 Human PBMC (negative control,left) and Rhesus PBMC (right) were surface-stained with PerCP/Cyanine5.5 Rabbit anti-NHP CD45 mAb (A28683,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.



Flow cytometry:1X10^6 Human PBMC (negative control,left) and Cynomolgus PBMC (right) were surface-stained with PerCP/Cyanine5.5 Rabbit anti-NHP CD45 mAb (A28683,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.