

ABflo® 700 Rabbit anti-NHP CD45 mAb

Catalog No.: A28682

Basic Information

Observed MW

Calculated MW

148 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Cynomolgus, Rhesus

CloneNo number

ARC79398

Conjugate

ABflo® 700. Ex:690nm. Em:713nm.

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 10⁶ 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

Purification

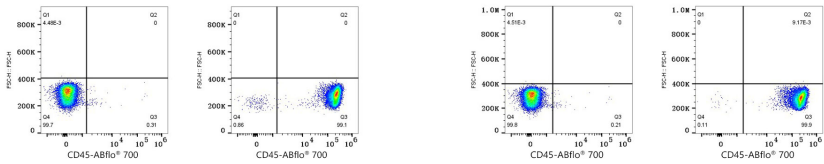
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

Validation Data



Flow cytometry: 1X10⁶ Human PBMC (negative control,left) and Cynomolgus PBMC (right) were surface-stained with ABflo® 700 Rabbit IgG isotype control (A25976,5 µl/Test) or ABflo® 700 Rabbit anti-NHP CD45 mAb (A28682,5 µl/Test). Cells in the lymphocyte gate were used for analysis.

Flow cytometry: 1X10⁶ Human PBMC (negative control,left) and Rhesus PBMC (right) were surface-stained with ABflo® 700 Rabbit IgG isotype control (A25976,5 µl/Test) or ABflo® 700 Rabbit anti-NHP CD45 mAb (A28682,5 µl/Test). Cells in the lymphocyte gate were used for analysis.