

ABflo® 488 Rabbit anti-NHP CD45 mAb

Catalog No.: A28471

Basic Information

Observed MW

Calculated MW

148 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Cynomolgus, Rhesus

CloneNo number

ARC79398

Conjugate

ABflo® 488. Ex:491nm. Em:516nm.

Recommended Dilutions

FC 5 µl per 10⁶ cells in
100 µl volume

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.

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

 | 400-999-6126

 | cn.market@abclonal.com.cn

 | www.abclonal.com.cn

Product Information

Source

Rabbit

Isotype

IgG

Purification

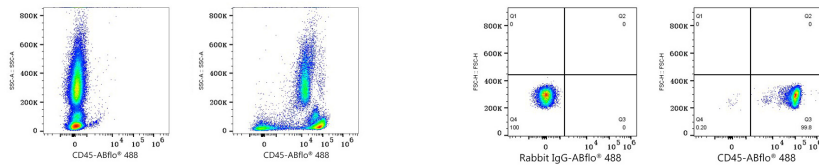
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1×10^6 Human peripheral blood mononuclear cells (negative control, left) and Cynomolgus peripheral blood mononuclear cells (right) were surface-stained with ABflo® 488 Rabbit anti-NHP CD45 mAb (A28471, 5 μ l/Test).

Flow cytometry: 1×10^6 Rhesus PBMC were surface-stained with ABflo® 488 Rabbit IgG isotype control (A22069, 5 μ l/Test, left) or ABflo® 488 Rabbit anti-NHP CD45 mAb (A28471, 5 μ l/Test, right). Cells in the lymphocyte gate were used for analysis.