

ABflo® 488 Rabbit anti-NHP CD45 mAb

Catalog NO.: A28471

Basic Information

Observed MW

Calculated MW

148 kDa

Category

Monoclonal Antibodies

Applications

FC

Cross-Reactivity

Cynomolgus, Rhesus

Conjugation

ABflo® 488. Ex:491nm. Em:516nm.

Clone number

ARC79398

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

Product Information

☒		order@abclonal.com
☒		service@abclonal.com
☒		www.abclonal.com

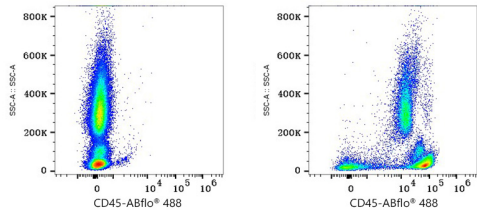
Source
Rabbit

Isotype
IgG

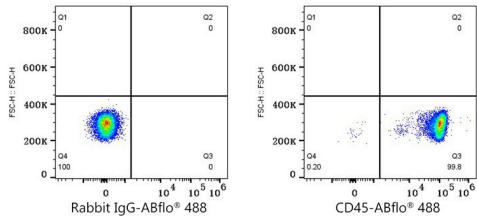
Purification
Affinity purification

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

Validation Data



Flow cytometry: 1X10⁶ 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 µl/Test).



Flow cytometry: 1X10⁶ Rhesus PBMC were surface-stained with ABflo[®] 488 Rabbit IgG isotype control (A22069,5 µl/Test,left) or ABflo[®] 488 Rabbit anti-NHP CD45 mAb (A28471,5 µl/Test,right). Cells in the lymphocyte gate were used for analysis.

