

# 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 10<sup>6</sup> 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

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

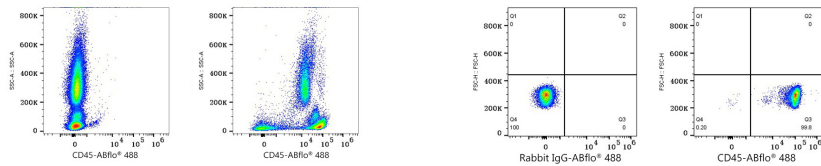
Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

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

## Validation Data



Flow cytometry:  $1 \times 10^6$  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  $\mu$ l/Test).

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