Leader in Biomolecular Solutions for Life Science

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# 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 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


400-999-6126

cn.market@abclonal.com.cn

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## Product Information

**Source**
Rabbit

**Isotype**

**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 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: 1X10^6 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.