

PE Rabbit anti-Mouse CD70 mAb

Catalog No.: A28353

Basic Information

Observed MW

Calculated MW

22 kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ARC76039

Conjugate

PE. Ex:565nm. Em:574nm.

Background

CD70 is a type II transmembrane glycoprotein and a member of the tumor necrosis factor ligand superfamily (TNFSF), also known as CD27L and TNFSF7. It is constitutively expressed on medullary thymic epithelial cells. Its expression can be induced on activated lymphocytes (B cells, T cells, and NK cells) and dendritic cells. CD70 serves as the ligand for CD27, a co-stimulatory receptor that plays a critical role in T cell activation and proliferation. Overexpression of CD70 has been reported in various malignancies, such as renal cell carcinoma, glioblastoma, and non-small cell lung carcinoma, and it is being actively pursued as a therapeutic target.

Recommended Dilutions

FC ≤0.25 µg per million cells
in 100 µl volume

Immunogen Information

Gene ID

21948

Swiss Prot

O55237

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

Cd27L; CD27LG; Tnfsf7; Tnlg8a

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

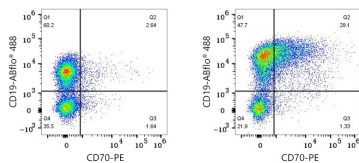
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

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

Validation Data



Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes (untreated, left) and C57BL/6 mouse splenocytes (treated with 1 $\mu\text{g}/\text{mL}$ LPS and 2 $\mu\text{g}/\text{mL}$ CD40 ligand for 4 days, right) were surface-stained with ABflo® 488 Rabbit anti-Mouse CD19 mAb (A24100, 5 $\mu\text{l}/\text{Test}$) and PE Rabbit anti-Mouse CD70 mAb (A28353, 0.25 μg).