

FITC Rabbit anti-Dog CD45 mAb

Catalog No.: A28701

Basic Information

Observed MW

Calculated MW

Category

Primary antibody

Applications

FC

Cross-Reactivity

Dog

CloneNo number

ARC81636

Conjugate

FITC. Ex:491nm. Em:516nm.

Background

CD45 (leukocyte common antigen, PTPRC) is a transmembrane protein tyrosine phosphatase that is widely expressed on the surface of all nucleated hematopoietic cells (T cells, B cells, NK cells, etc.). Its core functions include: regulation of immune cell activation: By dephosphorylating the inhibitory sites of Src kinases (such as Lck and Fyn), it activates the T-cell receptor (TCR) and B-cell receptor (BCR) signaling pathways. Maintenance of immune tolerance: Regulating thymocyte development and the clearance of autoreactive lymphocytes.

Recommended Dilutions

FC $\leq 0.25 \mu\text{g}$ per million cells
in 100 μl volume

Immunogen Information

Gene ID

490255

Swiss Prot

A0A8C0PQL1

Immunogen

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

Synonyms

CD45

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

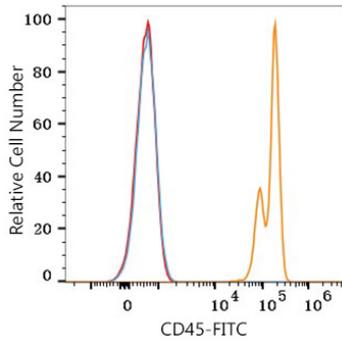
Affinity purification

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 Dog PBMC were surface-stained with FITC Rabbit anti-Dog CD45 mAb (A28701, 0.25 μ g, orange line) or FITC Rabbit IgG isotype control (A25616, 5 μ l/Test, blue line). Non-fluorescently stained cells were used as blank control (red line). Cells in the lymphocyte gate were used for analysis.