

PE/Cyanine7 Rat anti-Mouse CD45R/B220 mAb

Catalog No.: A29243

Basic Information

Observed MW

Calculated MW

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ATC10005

Conjugate

PE-Cy7. Ex:565nm. Em:778nm.

Background

Enables several functions, including heparan sulfate proteoglycan binding activity; heparin binding activity; and protein tyrosine phosphatase activity. Involved in several processes, including lymphocyte differentiation; positive regulation of macromolecule metabolic process; and regulation of signal transduction. Acts upstream of or within several processes, including lymphocyte differentiation; positive regulation of lymphocyte activation; and regulation of protein phosphorylation. Located in external side of plasma membrane; focal adhesion; and membrane raft. Is expressed in several structures, including 3rd branchial arch; alimentary system; cardiovascular system; hemolymphoid system; and placenta. Used to study systemic lupus erythematosus. Human ortholog(s) of this gene implicated in hepatitis C; multiple sclerosis; severe combined immunodeficiency; and severe combined immunodeficiency, autosomal recessive, T cell-negative, B cell-positive, Nk cell-positive. Orthologous to human PTPRC (protein tyrosine phosphatase receptor type C).

Recommended Dilutions

FC ≤0.125 µg per million cells
in 100 µl volume

Immunogen Information

Gene ID

19264

Swiss Prot

P06800

Immunogen

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

Synonyms

loc; B220; Cd45; L-CA; Ly-5; T200; CD45R; Lyt-4

Contact

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Product Information

Source

Rat

Isotype

Rat/IgG2a, kappa

Purification

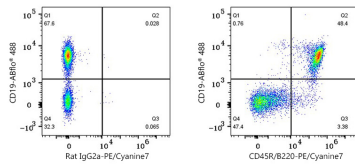
Affinity purification

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 C57BL/6 mouse splenocytes were surface-stained with ABflo® 488 Rabbit anti-Mouse CD19 mAb (A24100, 5 µl/Test) and PE/Cyanine7 Rat IgG2a isotype control (5 µl/Test, left) or PE/Cyanine7 Rat anti-Mouse CD45R/B220 mAb (A29243, 0.125 µg, right).