

APC/Cyanine7 Rat anti-Mouse/Human CD45R/B220 mAb

Catalog No.: A27630

Basic Information

Observed MW

Calculated MW

130kDa/140kDa/144kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ATC0062

Conjugate

APC-Cy7. Ex:651nm. Em:779nm.

Recommended Dilutions

FC ≤0.5 µg per million cells
in 100 µl volume

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).

Immunogen Information

Gene ID

19264

Swiss Prot

P06800

Immunogen

Synthetic peptide. 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 4°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, pH7.2.