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APC Rat anti-Mouse CD45R/B220 mAb

Catalog No.: A29055

Basic Information

Observed MW

Calculated MW

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ATC10005

Conjugate
APC. Ex:650nm. Em:660nm.

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

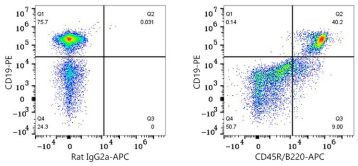
Source
Rat

Isotype
Rat/IgG2a, kappa

Purification
Affinity purification

Storage
Store at 2-8℃

Validation Data



Flow cytometry: 1X10^6 C57BL/6 mouse splenocytes were surface-stained with PE Rabbit anti-Mouse CD19 mAb (A25265,5 µl/Test) and APC Rat IgG2a isotype control (0.125 µg,left) or APC Rat anti-Mouse CD45R/B220 mAb (A29055,0.125 µg ,right).

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