Leader in Biomolecular Solutions for Life Science

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ABflo® 488 Rat anti-Mouse CD45R/B220 mAb

Catalog No.: A27571

Basic Information

Observed MW

Calculated MW
130kDa/140kDa/144kDa

Category
Primary antibody

Applications
FC

Cross-Reactivity
Mouse

CloneNo number
ATC10005

Conjugate
ABflo® 488. Ex:491nm. Em:516nm.

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	5 µl per 10^6 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

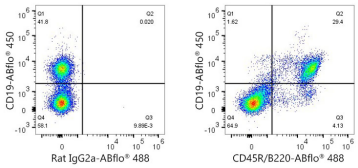
Source
Rat

Isotype
Rat / IgG2a, kappa

Purification
Affinity purification

Storage
Store at 2-8℃. Avoid freeze.
Buffer: PBS with 0.09% Sodium azide,0.2% BSA,pH7.3.

Validation Data



Flow cytometry:1X10^6 C57BL/6 mouse splenocytes were surface-stained with ABflo® 450 Rabbit anti-Mouse CD19 (A26192,5 µl/Test) and ABflo® 488 Rat IgG2a isotype control (5 µl/Test,left) or ABflo® 488 Rat anti-Mouse CD45R/B220 mAb (A27571,5 µl/Test,right).