

ABflo® 594 Rabbit anti-Mouse CD45 mAb

Catalog No.: A23709

Basic Information

Observed MW

Calculated MW

130KDa/140KDa/144KDa

Category

Primary antibody

Applications

IF/ICC,FC

Cross-Reactivity

Mouse

CloneNo number

ARC60962-ABf594

Conjugate

ABflo® 594. Ex:588nm. Em:604nm.

Recommended Dilutions

IF/ICC	1:50 - 1:200
FC	5 µl per 10 ⁶ cells in 100 µl volume

Contact

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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	Swiss Prot
19264	P06800

Immunogen

Recombinant fusion protein containing a sequence corresponding to amino acids 26-566 of mouse CD45 (NP_001104786.2).

Synonyms

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

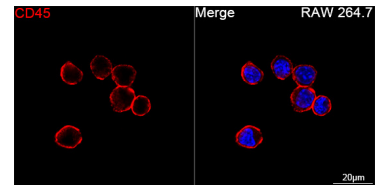
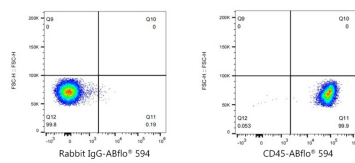
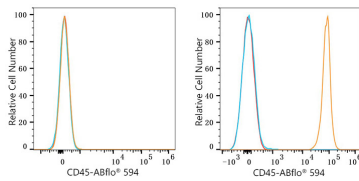
Product Information

Source	Isotype	Purification
Rabbit	IgG	Affinity purification

Storage

Store at 2-8°C. Avoid freeze.
Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

Validation Data



Flow cytometry: 1×10^6 C2C12 (negative control, left) and C57BL/6 mouse Splenocytes (right) were surface-stained with ABflo® 594 Rabbit anti-Mouse CD45 mAb (A23709, 5 µl/Test, orange line) or ABflo® 594 Rabbit IgG isotype control (A23821, 5 µl/Test, blue line). Non-fluorescently stained cells were used as blank control (red line).

Flow cytometry: 1×10^6 C57BL/6 mouse Splenocytes were surface-stained with ABflo® 594 Rabbit IgG isotype control (5 µl/Test, left) or ABflo® 594 Rabbit anti-Mouse CD45 mAb (A23709, 5 µl/Test, right).

Confocal imaging of RAW 264.7 cells using ABflo® 594 Rabbit anti-Mouse CD45 mAb (A23709, dilution 1:50). Objective: 100x.