

ABflo® 647 Rabbit anti-Mouse CD45 mAb

Catalog No.: A23708

1 Publications

Basic Information

Observed MW

Refer to figures

Calculated MW

130kDa/140kDa/144kDa

Category

Primary antibody

Applications

IF/ICC,FC

Cross-Reactivity

Mouse

CloneNo number

ARC60962

Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

Recommended Dilutions

IF/ICC 1:50 - 1:200

FC 5 µl per 10⁶ 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

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

Rabbit

Isotype

IgG

Purification

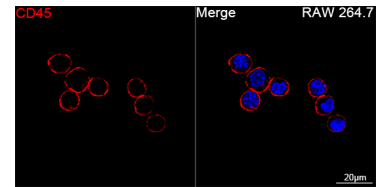
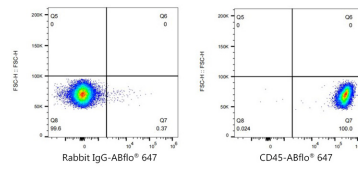
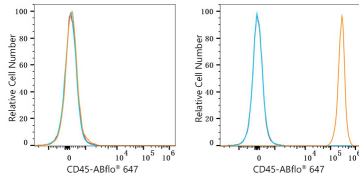
Affinity purification

Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS containing 0.2% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

Validation Data



Flow cytometry: 1×10^6 C2C12 cells (negative control, left) and C57BL/6 mouse Splenocytes (right) were surface-stained with ABflo® 647 Rabbit anti-Mouse CD45 mAb (A23708, 5 µl/Test, orange line) or ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, blue line). Non-fluorescently stained cells was used as blank control (red line).

Flow cytometry: 1×10^6 C57BL/6 mouse splenocytes were surface-stained with ABflo® 647 Rabbit IgG isotype control (A22070, 5 µl/Test, left) or ABflo® 647 Rabbit anti-Mouse CD45 mAb (A23708, 5 µl/Test, right).

Confocal imaging of RAW 264.7 cells using ABflo® 647 Rabbit anti-Mouse CD45 mAb (A23708, dilution 1:50). DAPI was used for nuclear staining (Blue). Objective: 100x.