

# ABflo® 647 Rabbit anti-Mouse CD45 mAb

Catalog No.: A23708

## 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-ABf647

### Conjugate

ABflo® 647. Ex:648nm. Em:664nm.

## Recommended Dilutions

IF/ICC	1:50 - 1:200
FC	5 µl per 10 <sup>6</sup> 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

<b>Gene ID</b>	<b>Swiss Prot</b>
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

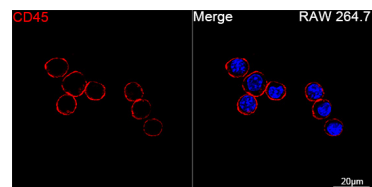
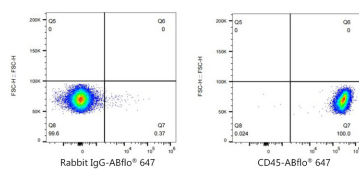
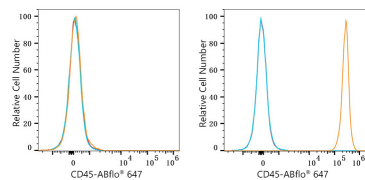
<b>Source</b>	<b>Isotype</b>	<b>Purification</b>
Rabbit	IgG	Affinity purification

### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.03% proclin300,0.2% BSA,pH7.3.

## Validation Data



Flow cytometry:  $1 \times 10^6$  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 were used as blank control (red line).

Flow cytometry:  $1 \times 10^6$  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.