

# 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

**Conjugate**

ABflo® 594. Ex:588nm. Em:604nm.

## Recommended Dilutions

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

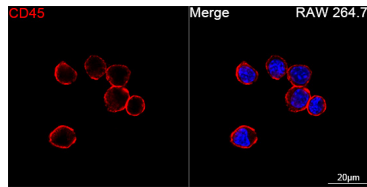
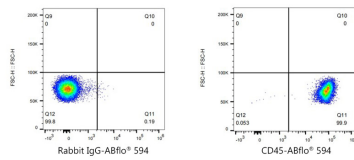
Affinity purification

**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:  $1 \times 10^6$  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.