

# APC/Cyanine7 Rat anti-Mouse CD45R/B220 mAb

**Catalog No.: A27988**

## Basic Information

### Observed MW

### Calculated MW

130kDa/140kDa/144kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ATC10005

### Conjugate

APC-Cy7. Ex:651nm. Em:779nm.

## Recommended Dilutions

**FC**                      ≤0.125 µg per million 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**  
19264/5788

**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

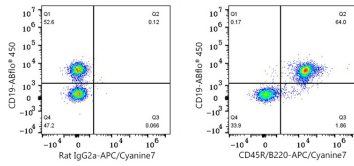
### Storage

Store at 2-8°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, 0.2% BSA, pH7.3.

## Validation Data

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Flow cytometry: 1X10<sup>6</sup> C57BL/6 mouse splenocytes were surface-stained with ABflo® 450 Rabbit anti-Mouse CD19 mAb (A26192, 5 µl/Test) and APC/Cyanine7 Rat IgG2a isotype control (5 µl/Test, left) or APC/Cyanine7 Rat anti-Mouse CD45R/B220 mAb (A27988, 0.125 µg, right).