

# FITC Rat anti-Mouse CD45R/B220 mAb

Catalog No.: A25655

## Basic Information

### Observed MW

Refer to figures

### Calculated MW

180-240kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ATC0011

### Conjugate

FITC. Ex:491nm. Em:516nm.

## Recommended Dilutions

**FC** The suggested use of this reagent is  $\leq 1.0 \mu\text{g}$  per  $10^6$  cells in 100  $\mu\text{l}$  volume. It is recommended that the reagent be titrated for optimal performance for each application

## 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

P08575/P06800

### Immunogen

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 4°C. Avoid freeze / thaw cycles.

Buffer: Phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide