

# PE Rat anti-Mouse CD184/CXCR4 mAb

Catalog No.: A27598

## Basic Information

### Observed MW

### Calculated MW

40kDa

### Category

Primary antibody

### Applications

FC

### Cross-Reactivity

Mouse

### CloneNo number

ATC0052

### Conjugate

PE. Ex:565nm. Em:574nm.

## Recommended Dilutions

FC 1 µg per 10<sup>6</sup> cells in  
100 µl volume.

## Background

Predicted to enable several functions, including chemokine receptor activity; cytoskeletal protein binding activity; and ubiquitin protein ligase binding activity. Involved in several processes, including nervous system development; positive regulation of cold-induced thermogenesis; and positive regulation of oligodendrocyte differentiation. Acts upstream of or within several processes, including CXCL12-activated CXCR4 signaling pathway; circulatory system development; and nervous system development. Located in cell-cell junction; external side of plasma membrane; and growth cone. Is expressed in several structures, including alimentary system; cardiovascular system; embryo mesenchyme; extraembryonic component; and nervous system. Used to study WHIM syndrome 1; cardiomyopathy; and congestive heart failure. Human ortholog(s) of this gene implicated in several diseases, including WHIM syndrome 1; bone disease (multiple); hematologic cancer (multiple); pancreatic adenocarcinoma; and prostate cancer. Orthologous to human CXCR4 (C-X-C motif chemokine receptor 4).

## Immunogen Information

### Gene ID

12767

### Swiss Prot

P70658

### Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

### Synonyms

Cxcr4

## Contact

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## Product Information

### Source

Rat

### Isotype

Rat / IgG2b, kappa

### Purification

Affinity purification

### Storage

Store at 4°C. Avoid freeze.

Buffer: PBS with 0.09% Sodium azide, pH7.2.