

APC Rat anti-Mouse CD184/CXCR4 mAb

Catalog No.: A27599

Basic Information

Observed MW

Calculated MW

40kDa

Category

Primary antibody

Applications

FC

Cross-Reactivity

Mouse

CloneNo number

ATC0052

Conjugate

APC. Ex:650nm. Em:660nm.

Recommended Dilutions

FC 0.5 µg per 10⁶ 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.