

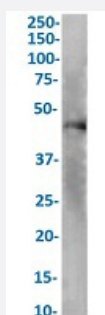
RecomAb™

CXCR1 recombinant monoclonal antibody, clone SE2

Catalog # RAB03594

Size 200 ug

Applications



Western Blot

Western blot analysis of human lymph node tissue with CXCR1 recombinant monoclonal antibody, clone SE2 (Cat # RAB03594).

Western Blot analysis the human lymph node tissue lysates (35ug protein in RIPA buffer) were resolved on a SDS PAGE gel and blots were probed with the chimeric r version of RAB03594 at 0.1 ug/mL before detection using an anti-rondary antibody. A primary incubation of 1h was used and protein was detected by chemiluminescence.

Immunofluorescence

Immunofluorescent staining of human peripheral blood leukocytes (PBL) with CXCR1 recombinant monoclonal antibody, clone SE2 (Cat # RAB03594).

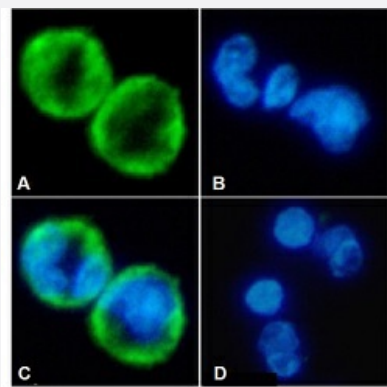
Immunofluorescence analysis of paraformaldehyde fixed human PBL cells on Shi-fix™ coverslips stained with the chimeric r version of RAB03594 at 10 ug/mL for 1h followed by Alexa Fluor® 488 secondary antibody (2 ug/mL), showing membrane staining. The nuclear stain is DAPI (blue). The isotype control was an unknown specificity antibody followed by staining with Alexa Fluor® 488 secondary antibody.

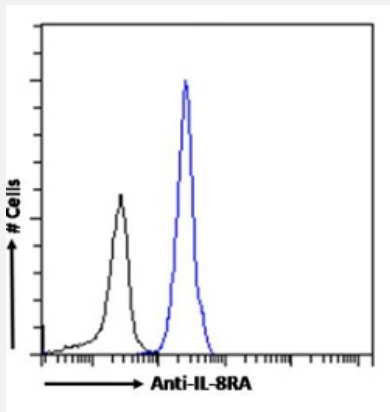
(A) RAB03594

(B) DAPI

(C) Merged channels

(D) Isotype control





Flow Cytometry

Flow cytometric analysis of human peripheral blood monocytes (PBM) with CXCR1 recombinant monoclonal antibody, clone SE2 (Cat # RAB03594). Paraformaldehyde fixed human PBMCs cells were stained with anti-unknown specificity antibody (isotype control-black line) or the r version of RAB03594 (blue line) at a dilution of 1:100 for 1h at RT. After washing the bound antibody was detected using a goat anti-r AlexaFluor® 488 antibody at a dilution of 1:1000 and cells analyzed using a FACSCanto flow-cytometer.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human CXCR1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a BSA-conjugated peptide comprising of the N-terminal part of IL-8RA (amino acids 1-30).
Reactivity	Human
Form	Liquid
Isotype	IgG
Recommend Usage	Flow Cytometry Immunofluorescence Immunohistochemistry Western Blot The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.02% Proclin 300)
Storage Instruction	Store at 4°C for 3 months. For long term storage, aliquot and store at -20°C. Aliquot to avoid repeated freezing and thawing.

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- Immunohistochemistry

- Immunofluorescence

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Gene Info — CXCR1

Entrez GeneID [3577](#)

Gene Name CXCR1

Gene Alias C-C, C-C-CKR-1, CD128, CD181, CDw128a, CKR-1, CMKAR1, IL8R1, IL8RA, IL8RBA

Gene Description chemokine (C-X-C motif) receptor 1

Omim ID [146929 609423](#)

Gene Ontology [Hyperlink](#)

Gene Summary

The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. [provided by RefSeq]

Other Designations

receptor|alpha|interleukin-8 receptor type 1|interleukin-8 receptor type A

Pathway

- [Chemokine signaling pathway](#)
- [Cytokine-cytokine receptor interaction](#)
- [Endocytosis](#)
- [Epithelial cell signaling in Helicobacter pylori infection](#)

Disease

- [Acquired Immunodeficiency Syndrome](#)
- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Asthma](#)
- [Bacteriuria](#)
- [Biliary Tract Neoplasms](#)
- [Birth Weight](#)
- [Bronchiectasis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chorioamnionitis](#)
- [Colitis](#)
- [Connective Tissue Diseases](#)

- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Esophagitis](#)
- [Fetal Diseases](#)
- [Fetal Membranes](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Helicobacter Infections](#)
- [Hematologic Diseases](#)
- [Hepatitis B](#)
- [Hodgkin Disease](#)
- [Infection](#)
- [Inflammation](#)
- [Kidney Failure](#)
- [Leishmaniasis](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoproliferative Disorders](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mucocutaneous Lymph Node Syndrome](#)
- [Musculoskeletal Diseases](#)

- [Obstetric Labor](#)
- [Occupational Diseases](#)
- [Pain](#)
- [Papillomavirus Infections](#)
- [Pre-Eclampsia](#)
- [Pregnancy Complications](#)
- [Premature Birth](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Pulmonary Disease](#)
- [Pyelonephritis](#)
- [Radiation Injuries](#)
- [Radiation Pneumonitis](#)
- [Skin Diseases](#)
- [Stomach Neoplasms](#)
- [Tuberculosis](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Tract Infections](#)
- [Uterine Cervical Neoplasms](#)
- [Uveitis](#)
- [Vesico-Ureteral Reflux](#)
- [Waldenstrom Macroglobulinemia](#)
- [Werner syndrome](#)