

QED Bioscience Inc.

ADVANCED RESEARCH TECHNOLOGIES

Anti-CX₃CR1 (EL) Antibody

ORDERING INFORMATION

Catalog No.: 2201

Size: 100 ug IgG in PBS, pH 7.4, purified by immunoaffinity chroma-tography.

BACKGROUND

CX₃CR1 is one of the chemokine receptors that are required as co-receptors for HIV infection. The genes encoding human, murine, and rat CX₃CR1 have been cloned and designated V28 and CMKBRL1, CX₃CR1, and RBS11, respectively. This transmembrane protein was recently identified as the receptor for a novel transmembrane molecule, fractalkine, and was renamed CX₃CR1. Recently, CX₃CR1 was found to serve as a coreceptor for HIV-1 and HIV-2 envelope fusion and virus infection, which can be inhibited by fractalkine. CX₃CR1 mediates leukocyte migration and adhesion and is expressed in a variety of human tissues and cell lines.

SPECIFICATION SUMMARY

Antigen: Peptide corresponding to aa 175-189 of human CX₃CR1. The sequence is identical to that of rat CX₃CR1 and differs from that of mouse CX₃CR1 by one amino acid.

Host Species: Rabbit

Stabilizers: None

Preservatives: 0.02% sodium azide.

SPECIFICITY

This antibody recognizes human, mouse and rat CX₃CR1 (50 kD).

APPLICATIONS

Immunoblotting: use at 1:500 dilution.

Positive control: Whole cell lysate of THP-1 cells.

DILUTION INSTRUCTIONS

Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY

This antibody is stable for at least one (1) year at -20°C. Avoid multiple freeze-thaw cycles.

For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures