

CXCR4 Polyclonal Antibody

CATALOG #: 5541-100

AMOUNT: 100 µg

LOT #: _____

HOST: Rabbit

IMMUNOGEN: Synthetic peptide surrounding amino acid 18 of mouse CXCR4 (ID# BV-571).

SPECIES REACTIVITY: human, mouse, rat

FORMULATION:

100 µg (0.5 mg/ml) affinity purified rabbit anti-CXCR4 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.01% thimerosal.

STORAGE CONDITIONS:

Store at -20°C. For long-term storage, aliquot and freeze at -70°C. Avoid repeated freeze/thaw cycles.

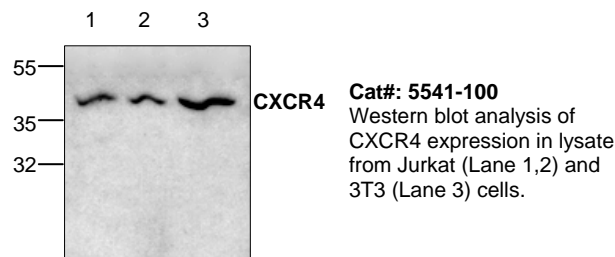
DESCRIPTION:

CXCR4 (fusin) is a member in the seven-transmembrane domain G-protein-coupled chemokine receptor family. The full-length cDNA was isolated from a human spleen cDNA library. Its ligand is chemokine stroma-derived factor (SDF). CXCR4 has been shown to be the co-receptor for HIV-1 binding to CD4 through the viral envelope glycoprotein gp120. In other cases, CXCR4 can function as the only receptor for the interaction of HIV-2 with CD4 and host cells. A mouse monoclonal antibody (12G5) to CXCR4 has been shown to inhibit HIV infectivity and HIV-induced syncytium.

APPLICATION AND SPECIFICITY:

The antibody can be used for Western blot analysis (0.5-4 µg/ml). However, the optimal conditions should be determined individually. Blocking peptide (Cat.# 5541BP-50) is available separately.

NOTE: For research use only! Not to be used in humans.



RELATED PRODUCTS:

Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Apoptosis Inducers and Set
- Apoptosis siRNA Vectors

Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

Cell Damage & Repair

- HDAC Fluorometric & Colorimetric Assays & Drug Discovery Kits
- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione & Nitric Oxide Fluorometric & Colorimetric Assay Kits

Signal Transduction

- cAMP & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

Adipocyte & Lipid Transfer

- Recombinant Adiponectin, Survivin, & Leptin
- CETP Activity Assay & Drug Discovery Kits
- PLTP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

Molecular Biology & Reporter Assays

- siRNA Vectors
- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit
- β-Galactosidase Staining Kit & Luciferase Reporter Assay Kit

Growth Factors and Cytokines

Monoclonal and Polyclonal Antibodies