CXCR4 Antibody (monoclonal) (M04)
Mouse monoclonal antibody raised against a partial recombinant CXCR4.
Catalog # AT1695a

Specification

CXCR4 Antibody (monoclonal) (M04) - Product Information

- Application: WB, E
- Primary Accession: P61073
- Other Accession: BC020968
- Reactivity: Human, Rat
- Host: mouse
- Clonality: Monoclonal
- Isotype: IgG2a Kappa
- Clone Names: 2G9
- Calculated MW: 39746

CXCR4 Antibody (monoclonal) (M04) - Additional Information

- Gene ID: 7852
- Other Names: C-X-C chemokine receptor type 4, CXC-R4, CXCR-4, FB22, Fusin, HM89, LCR1, Leukocyte-derived seven transmembrane domain receptor, LESTR, Lipopolysaccharide-associated protein 3, LAP-3, LPS-associated protein 3, NPYRL, Stromal cell-derived factor 1 receptor, SDF-1 receptor, CD184, CXCR4
- Target/Specificity: CXCR4 (AAH20968, 1 a.a. – 46 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
- Dilution: WB ~ 1:500~1000
- Format: Clear, colorless solution in phosphate buffered saline, pH 7.2
- Storage: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
- Precautions: CXCR4 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

CXCR4 Antibody (monoclonal) (M04) - Protocols

Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (30.8 KDa).

CXCR4 monoclonal antibody (M04), clone 2G9. Western Blot analysis of CXCR4 expression in human colon.
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytometry
- Cell Culture

**CXCR4 monoclonal antibody (M04), clone 2G9. Western Blot analysis of CXCR4 expression in human intestinal wall.**

CXCR4 monoclonal antibody (M04), clone 2G9. Western Blot analysis of CXCR4 expression in RIN-m5F.

Western Blot analysis of CXCR4 expression in transfected 293T cell line by CXCR4 monoclonal antibody (M04), clone 2G9.

Lane 1: CXCR4 transfected lysate (Predicted MW: 39.7 KDa).
Lane 2: Non-transfected lysate.

Detection limit for recombinant GST tagged CXCR4 is 0.03 ng/ml as a capture antibody.

**CXCR4 Antibody (monoclonal) (M04) - Background**

This gene encodes a CXC chemokine receptor specific for stromal cell-derived factor-1. The
protein has 7 transmembrane regions and is located on the cell surface. It acts with the CD4 protein to support HIV entry into cells and is also highly expressed in breast cancer cells. Mutations in this gene have been associated with WHIM (warts, hypogammaglobulinemia, infections, and myelokathexis) syndrome. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

CXCR4 Antibody (monoclonal) (M04) - References


CXCR4 Antibody (monoclonal) (M04) - Citations

- Inhibition of CXCR4 and CXCR7 for reduction of cell proliferation and invasion in human endometrial cancer.