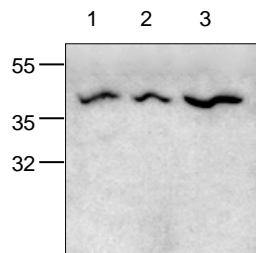


## CXCR4 Polyclonal Antibody

<b>CATALOG NO:</b>	5541-30T      30 µg (Trial size) 5541-100      100 µg
<b>CONCENTRATION:</b>	0.5 mg/ml
<b>IMMUNOGEN:</b>	Synthetic peptide surrounding amino acid 18 of mouse CXCR4
<b>INTERNAL ID:</b>	BV-571
<b>HOST:</b>	Rabbit
<b>SPECIES REACTIVITY:</b>	Human, Mouse, Rat
<b>PURIFICATION:</b>	Affinity purified rabbit IgG
<b>FORMULATION:</b>	Supplied in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 0.03% proclin
<b>STORAGE CONDITIONS:</b>	Store at -20° C. For long term storage, aliquot and freeze at -70° C. Avoid repeated freeze/thaw cycles.
<b>DESCRIPTION:</b>	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.
<b>APPLICATION:</b>	Western blot: 0.5-4 µg/ml

**Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.**



**Western blot analysis of CXCR4 expression in:**

**Lane 1, 2:** Jurkat cell lysates  
**Lane 3:** 3T3 cell lysates

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- Membrane Protein Extraction Kit
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