

## CXCR4

### Synthetic Human Chemokine (C-X-C motif) Receptor 4 (aa 182-196)(EL) Blocking Peptide

<b>Catalog No.</b>	PX170BP	<b>Quantity:</b>	50 µg
<b>Alternate Names:</b>	CD184, D2S201E, FB22, HM89, HSY3RR, LAP3, LCR1, LESTR, NPY3R, NPYR, NPYRL, NPY3R, WHIM, C-X-C chemokine receptor type 4, CD184 antigen, chemokine (C-X-C motif), receptor 4 (fusin), chemokine receptor 4, fusin, leukocyte-derived seven-transmembrane-domain receptor, lipopolysaccharide-associated protein 3, neuropeptide Y receptor Y3, seven transmembrane helix receptor, seven-transmembrane-segment receptor, spleen, stromal cell-derived factor 1 receptor		
<b>Description:</b>	CXCR4 is 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.		
<b>Gene ID:</b>	7852		
<b>Application:</b>	The peptide is used for blocking the activity of anti-CXCR4. The peptide with equal volume of antibody for 30 min at 37°C usually completely blocks the antibody activity in Western blotting.		
<b>Formulation:</b>	It is supplied as 200 µg/ml, 50 µg/vial , in PBS pH7.2 (10 mM NaH <sub>2</sub> PO <sub>4</sub> , 10 mM, Na <sub>2</sub> HPO <sub>4</sub> , 130 mM NaCl) containing 0.1% bovine serum albumin and 0.02% sodium azide.. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Sequence:</b>	DRYICDRFYPNDLWV		
<b>Storage &amp; Stability:</b>	Store at -20°C, stable for one year.		

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