

## Rabbit polyclonal antibody to human C-X-C Chemokine receptor 4 (18-33): Affinity purified

<b>Catalogue No.:</b>	R-1143-100
<b>Description:</b>	The C-X-C Chemokine receptor 4 (CXCR4) is a multi-pass membrane protein that belongs to the G-protein coupled receptor 1 family. CXCR4 is a specific receptor for stromal cell-derived factor-1 (SDF-1) and is widely expressed in tissues including peripheral blood leukocytes, spleen, thymus, spinal cord, heart, placenta, lung, liver, skeletal muscle, kidney, pancreas, cerebellum, cerebral cortex and medulla. At least 2 isoforms are produced by alternative splicing.
<b>Batch No.:</b>	See product label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	A synthetic peptide (SGDYDSMKEPCFREEN) corresponding to a region (18-33) from human C-X-C Chemokine receptor 4. To enhance the immunological response, this peptide was coupled to carrier protein BSA.
<b>Other Names:</b>	C-X-C chemokine receptor type 4; CXC-R4; CXCR-4; Stromal cell-derived factor 1 receptor; SDF-1 receptor; Fusin; Leukocyte-derived seven transmembrane domain receptor; LESTR; LCR1; FB22; NPYRL; HM89; CD184; CXCR4;
<b>Accession:</b>	P61073 CXCR4_HUMAN;
<b>Produced in:</b>	Rabbit
<b>Purity:</b>	Affinity purified on antigen column
<b>Applications:</b>	Immunohistochemistry (IHC) and Western Blotting (WB). A concentration of 0.1-0.5 ug/mL is recommended for WB. Human CXCR4 (isoform 1) has a predicted length of 352 residues and MW of 40 kDa. A concentration of 0.5-1.0 ug/mL is recommended to detect the protein in human formalin fixed and paraffin embedded tissues. Heat mediated antigen retrieval (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, for 20mins) is required. Biosensis recommends optimal dilutions/concentrations should be determined by the end user.
<b>Specificity:</b>	The specificity of this antibody has been confirmed by WB and IHC against the antigen.
<b>Cross-reactivity:</b>	Human (WB, IHC); rat (WB); predicted to react with mouse due to sequence homology;
<b>Form:</b>	Lyophilised with 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Thimerosal, 0.05mg NaN <sub>3</sub>
<b>Reconstitution:</b>	Reconstitute in 100 uL of sterile distilled water to achieve an antibody concentration of 1 mg/mL. Centrifuge to remove any insoluble material.
<b>Storage:</b>	At least 12 months after purchase at 2-8C (lyophilized formulations). After reconstitution, aliquot and store at -20C for up to six months. Avoid freeze-thaw cycles
<b>Expiry Date:</b>	12 months after purchase (lyophilized)

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