

## Product Information

### Anti-CXCR4

antibody produced in chicken,  
affinity isolated antibody

Catalog Number **GW21075**

Formerly listed as GenWay Catalog Number 15-288-21075,  
C-X-C chemokine receptor type 4 Antibody.

Storage Temperature Store at -20 °C

Synonyms: Chemokine (C-X-C motif) receptor 4 isoform b, CXCR4; CXCR-4; Stromal cell-derived factor 1 receptor; SDF-1 receptor; Fusin; Leukocyte-derived seven transmembrane domain receptor; LESTR; LCR1; FB22; NPYRL; HM89; CD184 antigen

### Product Description

Receptor for the C-X-C chemokine CXCL12/SDF-1. Transduces a signal by increasing the intracellular calcium ions level. Involved in haematopoiesis and in cardiac ventricular septum formation. Plays also an essential role in vascularization of the gastrointestinal tract, probably by regulating vascular branching and/or remodelling processes in endothelial cells. Could be involved in cerebellar development. In the CNS, could mediate hippocampal-neuron survival. Acts as a coreceptor (CD4 being the primary receptor) for HIV-1 X4 isolates and as a primary receptor for some HIV-2 isolates. Promotes Env-mediated fusion of the virus.

NCBI Accession number: NP\_003458.1

Swiss Prot Accession number: P61073

Gene Information: Human .. CXCR4 (7852)

Immunogen: Recombinant protein Chemokine (C-X-C motif) receptor 4 isoform b

Immunogen Sequence: GI # 4503175, sequence 6 - 41

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human, mouse, rat, cow

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2–8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

LPG,MAM12/09-1

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