



# Human CXCR1 blocking peptide (CDBP0919)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                            |   |
|----------------------------|---|
| <b>Product Overview</b>    | Blocking/Immunizing peptide for anti-CXCR1 antibody   |
| <b>Antigen Description</b> | The protein encoded by this gene is a member of the G-protein-coupled receptor family. This protein is a receptor for interleukin 8 (IL8). It binds to IL8 with high affinity, and transduces the signal through a G-protein activated second messenger system. Knockout studies in mice suggested that this protein inhibits embryonic oligodendrocyte precursor migration in developing spinal cord. This gene, IL8RB, a gene encoding another high affinity IL8 receptor, as well as IL8RBP, a pseudogene of IL8RB, form a gene cluster in a region mapped to chromosome 2q33-q36. |
| <b>Nature</b>              | Synthetic   |
| <b>Expression System</b>   | N/A   |
| <b>Species</b>             | Human   |
| <b>Species Reactivity</b>  | Human   |
| <b>Conjugate</b>           | Unconjugated  |
| <b>Applications</b>        | Apuri, BL, ELISA  |
| <b>Procedure</b>           | None  |
| <b>Format</b>              | Lyophilized powder  |
| <b>Size</b>                | 100 µg  |
| <b>Preservative</b>        | None  |
| <b>Storage</b>             | Shipped at ambient temperature, store at -20°C.   |

# ANTIGEN GENE INFORMATION

|                     |  |
|---------------------|--|
| Gene Name           | <a href="#">CXCR1 chemokine (C-X-C motif) receptor 1 [ Homo sapiens ]</a>  |
| Official Symbol     | CXCR1  |
| Synonyms            | CXCR1; chemokine (C-X-C motif) receptor 1; CMKAR1, IL8RA, interleukin 8 receptor, alpha; C-X-C chemokine receptor type 1; CD181; CDw128a; CKR 1; CXC-R1; CXCR-1; IL-8R A; IL-8 receptor type 1; interleukin 8 receptor, alpha; interleukin-8 receptor type 1; interleukin-8 receptor type A; high affinity interleukin-8 receptor A; C-C; CD128; CKR-1; IL8R1; IL8RA; CMKAR1; IL8RBA; C-C-CKR-1;                             |
| Entrez Gene ID      | <a href="#">3577</a>   |
| mRNA Refseq         | <a href="#">NM_000634</a>  |
| Protein Refseq      | <a href="#">NP_000625</a>  |
| UniProt ID          | P25024   |
| Chromosome Location | 2q35   |
| Pathway             | Chemokine receptors bind chemokines, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Class A/1 (Rhodopsin-like receptors), organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Endocytosis, organism-specific biosystem; |
| Function            | G-protein coupled receptor activity; chemokine receptor activity; interleukin-8 binding; interleukin-8 receptor activity; receptor activity; signal transducer activity;   |