

CXCR3 Protein-VLP, Human, Recombinant (Flag & His-Strep)

General Information

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| Synonyms: | CD183;MigR;Mig-R;CKR-L2;CD182;IP10-R;CMKAR3;GPR9 |
| Protein Construction: | A DNA sequence encoding the Human CXCR3 (P49682) (Met1-Leu368) was expressed, with a Flag tag at the N-terminus, a polyhistidine tag and a strep tag at the C-terminus. |
| Species: | Human |
| Expression Host: | HEK293 Cells |
| Accession: | P49682 |
| Molecular Weight: | 44.55 kDa (predicted) |

QC Testing

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| Biological Activity: | Immobilized CXCR3 Protein-VLP, Human, Recombinant (Flag & His-Strep) (Cat#TMPY-07103) at 5 µg/mL (100 µL/well) can bind Anti-CXCR3 Monoclonal Antibody, Human IgG1, the EC50 is 6-20 ng/mL. |
| Endotoxin: | < 1.0 EU/µg of the protein as determined by the LAL method. |
| Formulation: | Supplied as sterile 50 mM Hepes, 150 mM NaCl, 10% Trehalose, pH 7.2. Please contact us for any concerns or special requirements. Please refer to the specific buffer information in the hardcopy of datasheet or the lot-specific COA. |

Preparation and Storage

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| Stability & Storage: | Samples are stable for up to twelve months from date of receipt at -70°C. Store it under sterile conditions at -70°C or lower. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. <small>Actual storage temperature shall be subject to the COA.</small> |
| Shipping: | Proteins are shipped with blue ice. |

Protein Background

The chemokine receptor CXCR3 plays an important role in T cell recruitment in various immune responses and autoimmune diseases. CXCR3 overexpression in GC is associated with increased DC and TIL infiltration and improved OS, and thus could be further exploited as a biomarker of favorable prognosis and a therapeutic target in GC. CXCR3 is a chemokine receptor expressed on a wide range of leukocytes, and it is involved in leukocyte migration throughout the blood and lymphatics.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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