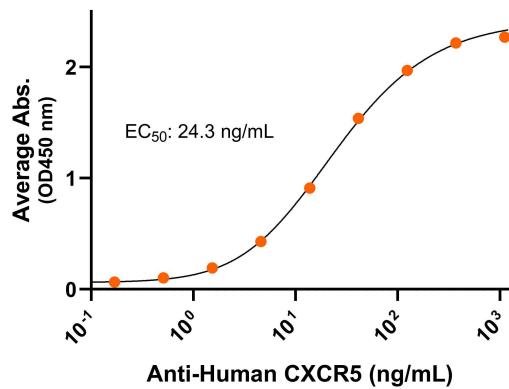


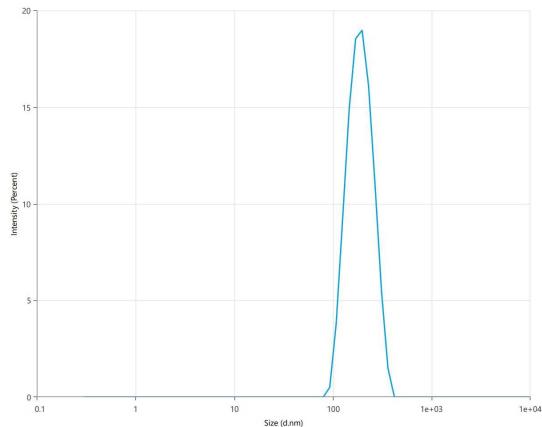
## Bioactivity – Antibody Binding

**Human CXCR5 full length (Biotinylated VLP), ELISA**  
 0.5 µg of CXCR5 VLP per well



Immobilized human CXCR5 biotinylated VLP (Cat. No. BCMP-24014) at 5 µg/mL (100 µL/well) can bind monoclonal anti-human CXCR5 antibody with half maximal effective concentration (EC50) range of 12.2-48.6 ng/mL (QC tested).

## DLS



The mean peak diameter (nm) of the VLP is 178.9 with a range of 168.9-188.9 with more than 95% intensity as determined by dynamic light scattering (DLS).



**Biotinylated, Human CXCR5 Full Length Protein, Displayed on Virus-Like Particles (VLPs)**  
Product Code: BCMP-24014  
For Research Use Only (RUO)

**Expression Host**  
HEK293T

**Alternate Name(s)**  
BLR1, CD185, and MDR15

**Protein Construct**  
The human CXCR5 full length protein (UniProt# P32302), mimics the native protein conformation on the cell surface displayed on Virus-Like Particles (VLPs) biotinylated with biotin on a 22.4 Å spacer arm.  
Expressed in HEK293T cell line.

**Shipping Conditions**  
Frozen Dry Ice

**Protein Name**  
Biotinylated CXCR5

**Amino Acid Range**  
Met1-Phe372

**Formulation**  
0.45µm filtered PBS, pH 7.4

**Stability & Storage**  
-80°C

## Background

C-X-C chemokine receptor type 5 (CXCR5) is also known as CD185, Burkitt lymphoma receptor 1 (BLR1) and monocyte-derived receptor 15 (MDR15). CXCR-5 is a G protein-coupled receptor (GPCR) for the C-X-C motif chemokine 13 (CXCL13). It enables T cells to migrate to lymph node and the B cell zones.