

Human CXCR6 VLP

Cat. No. CXC-HM1R6

Description

Source	Recombinant Human CXCR6 VLP is expressed from HEK293. It contains Met1-Leu342 (It may have cross reaction with anti-His antibody).
Accession	O00574
Molecular Weight	The target protein has a predicted MW of 42.49 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

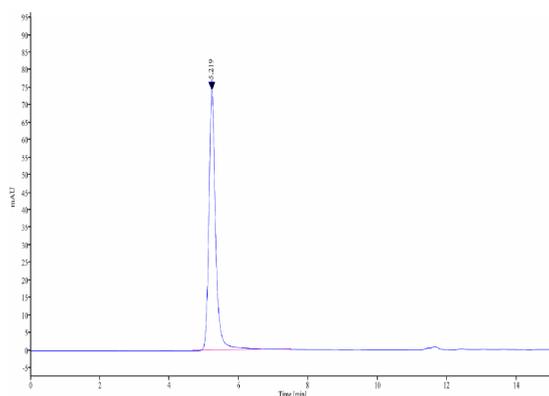
Formulation	Supplied as 0.22 µm filtered solution in PBS, 300mM L-arginine (pH 7.4). Notice: If you need it for immunization, water-soluble adjuvant is recommended.
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

CXCR6 is a receptor for the chemokine CXCL16, which exists as a membrane or soluble form. CXCR6 is a marker for resident memory T (TRM) cells that plays a role in immunosurveillance through their interaction with epithelial cells. The interaction of CXCR6 with CXCL16 expressed at the membrane of certain subpopulations of intratumor dendritic cells (DC) called DC3, ideally positions these CXCR6+ T cells to receive a proliferation signal from IL-15 also presented by DC3.

Assay Data

Bis-Tris PAGE

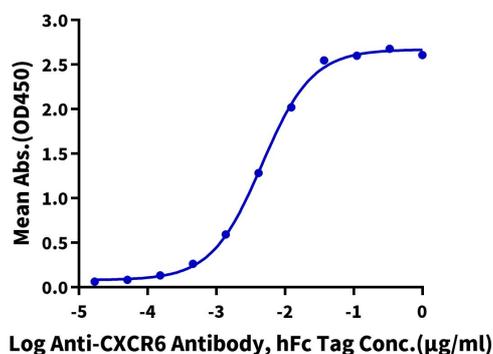


Human CXCR6 VLP on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

ELISA Data

Human CXCR6 VLP ELISA

0.5µg Human CXCR6 VLP Per Well



Immobilized Human CXCR6 VLP at 5 µg/ml (100µl/well) on the plate. Dose response curve for Anti-CXCR6 Antibody, hFc Tag with the EC50 of 4.6ng/ml determined by ELISA.