

Biotinylated Human STEAP1 VLP

Cat. No. STP-HM00VB



Description

Source	Recombinant Biotinylated Human STEAP1 VLP is expressed from HEK293.
	It contains Met1-Leu339 (It may have cross reaction with anti-His antibody).
Accession	Q9UHE8
Molecular Weight	The protein has a predicted MW of 43.06 kDa.
Endotoxin	Less than 1 EU per µg by the LAL method.
Purity	> 95% as determined by HPLC

Formulation and Storage

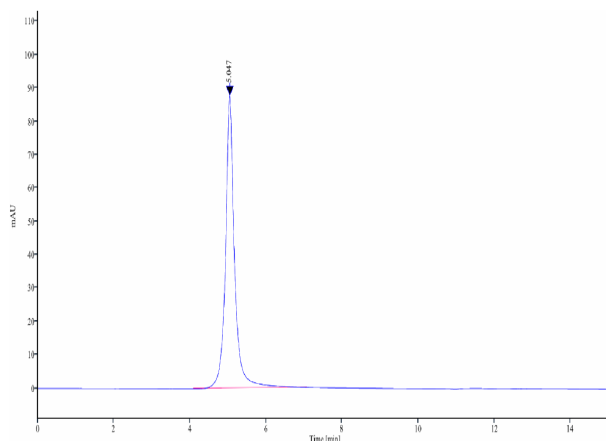
Formulation	Supplied as 0.22 µm filtered solution in PBS, 300mM L-Arginine (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

Six-transmembrane epithelial antigen of the prostate 1 (STEAP1) is an integral membrane protein that is highly up-regulated on the cell surface of several human cancers, making it a promising therapeutic target to manage these diseases. It shares sequence homology with three enzymes (STEAP2-STEAP4) that catalyze the NADPH-dependent reduction of iron(III).

Assay Data

SEC-HPLC

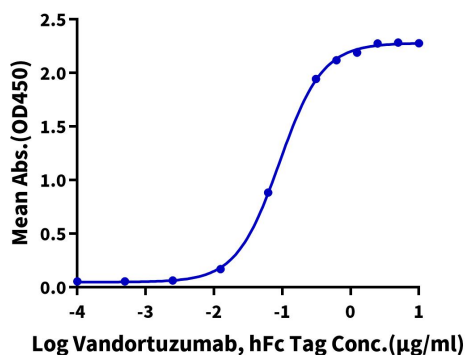


The purity of Biotinylated Human STEAP1 VLP is greater than 95% as determined by SEC-HPLC.

ELISA Data

Biotinylated Human STEAP1 VLP ELISA

0.5µg Biotinylated Human STEAP1 VLP Per Well



Immobilized Biotinylated Human STEAP1 VLP at 5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml). Dose response curve for Vandortuzumab, hFc Tag with the EC₅₀ of 91.2ng/ml determined by ELISA.