

Anti-OSMR Antibody (Vixarelimab Biosimilar)



Cat. No. AB159

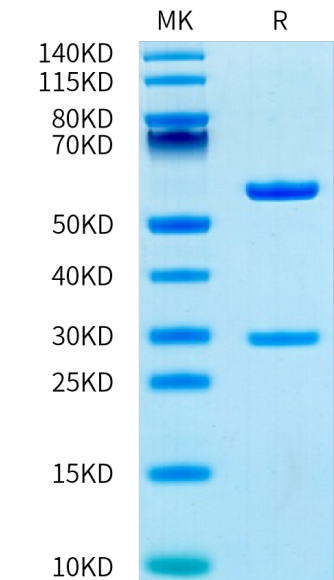
Description	
Reactivities	Human/Cynomolgus
Target	OSMR
Isotype	Human IgG1-Kappa
Conjugation	Unconjugated
ExpressSystem	HEK293
Applications	ELISA
MolecularWeight	52 kDa and 22.7 kDa.
Recommended Dilution Buffer	PBS (pH 7.4), contains no stabilizers or preservatives.
Purification	protein A
Sterility	0.2 μM filtered
Endotoxin	Less than 1 EU per μg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE
	> 90% as determined by HPLC

Formulation and Storage	
Formulation	PBS, 10% glycerol (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	
OSMR is targeted to the mitochondrial matrix via the presequence translocase-associated motor complex components, mtHSP70 and TIM44. OSMR interacts with NADH ubiquinone oxidoreductase 1/2 (NDUFS1/2) of complex I and promotes mitochondrial respiration. Deletion of OSMR impairs spare respiratory capacity, increases reactive oxygen species, and sensitizes BTSCs to IR-induced cell death.	

Assay Data

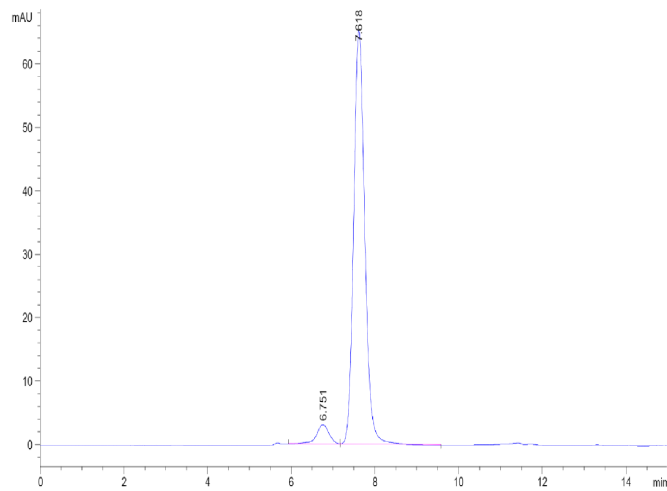
Bis-Tris PAGE



Vixarelimab Biosimilar on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

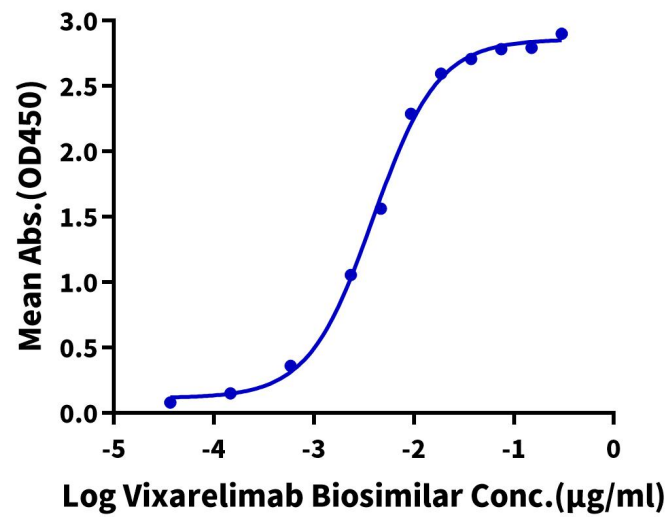
Assay Data



The purity of Vixarelimab Biosimilar is greater than 90% as determined by SEC-HPLC.

ELISA Data

Vixarelimab Biosimilar ELISA
0.1µg Human OSMR, His Tag Per Well



Immobilized Human OSMR, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Vixarelimab Biosimilar with the EC50 of 3.9ng/ml determined by ELISA.