Anti-VEGF R2 Antibody (Ramucirumab Biosimilar)

Cat. No. AB130

Description

Reactivities	Human/Rhesus macaque
Target	VEGF R2
Isotype	Human IgG1-Kappa
Conjugation	Unconjugated
ExpressSystem	HEK293
Applications	ELISA
MolecularWeight	52.0 kDa and 23.3 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
	> 95% as determined by HPLC

Formulation and Storage

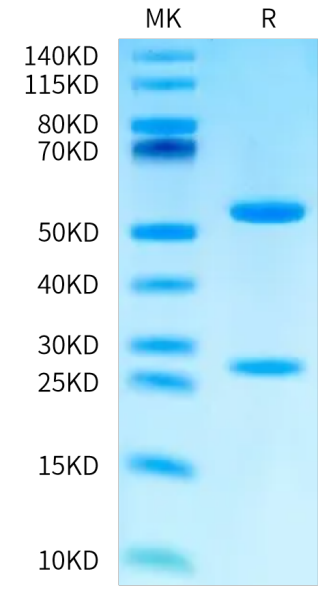
Formulation	PBS, 10% glycerol (pH 7.4)
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

The vascular endothelial growth factor receptor-2 (VEGFR-2/KDR/flk-1) functions as the primary mediator of vascular endothelial growth factor activation in endothelial cells. Regulation of VEGFR-2 expression appears critical in mitogenesis, differentiation, and angiogenesis. Transcriptional regulation of the VEGFR-2 is complex and may involve multiple putative upstream regulatory elements including E boxes.

Assay Data

Bis-Tris PAGE



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

SEC-HPLC

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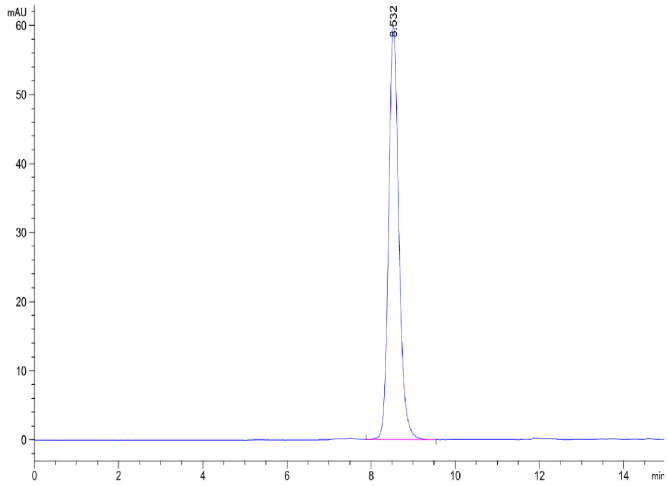
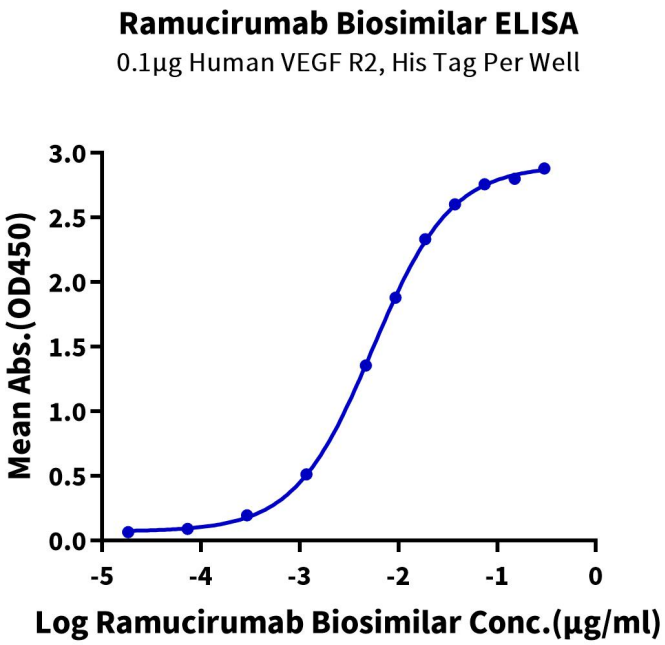
Assay Data



The purity of Ramucirumab Biosimilar is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human VEGF R2, His Tag at 1μg/ml (100μl/well) on the plate. Dose response curve for Ramucirumab Biosimilar with the EC50 of 5.5/5.2ng/ml determined by ELISA.