

Anti-Activin RIIB Antibody (Bimagrumab Biosimilar)



Cat. No. AB570

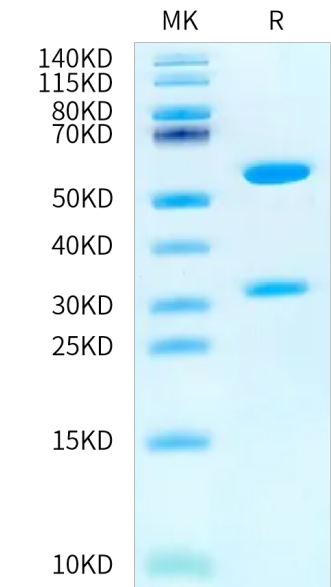
Description	
Reactivities	Human/Cynomolgus
Target	Activin RIIB
Isotype	Human IgG1-Kappa
Conjugation	Unconjugated
ExpressSystem	HEK293
Applications	ELISA
MolecularWeight	50.8 kDa and 22.73 kDa.
Recommended Dilution Buffer	PBS (pH 7.4), contains no stabilizers or preservatives.
Purification	protein A
Sterility	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	
ActRIIB (activin receptor type-2B) is an activin receptor subtype constitutively expressed in the whole body, playing a role in cellular proliferation, differentiation, and metabolism. For its various physiological activities, ActRIIB interacts with activin and multiple other ligands including myostatin (MSTN), growth differentiation factor 11 (GDF11), and bone morphogenetic protein 9 (BMP9).	

Assay Data

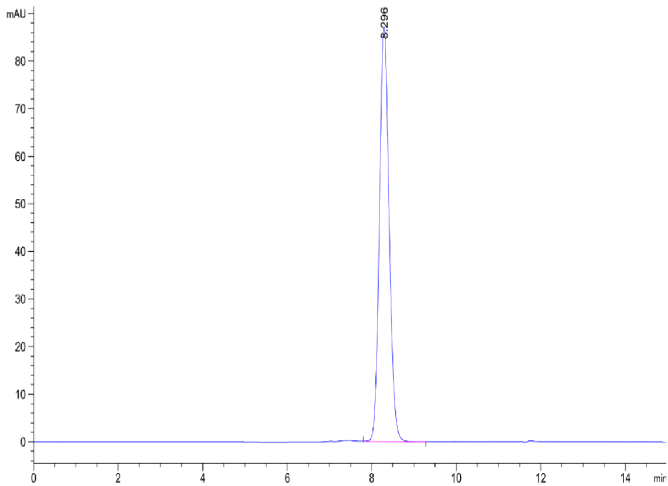
Bis-Tris PAGE



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

SEC-HPLC

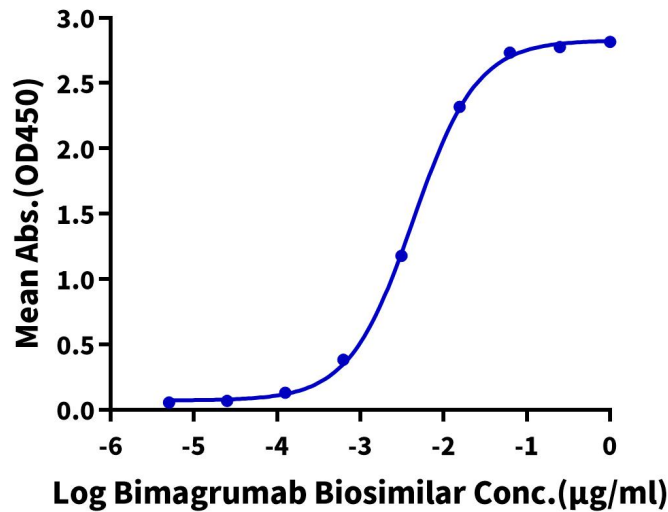
Assay Data



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

ELISA Data

Bimagrumab Biosimilar ELISA
0.05µg Human Activin RIIB, His Tag Per Well



Immobilized Human Activin RIIB, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Bimagrumab Biosimilar with the EC50 of 4.3ng/ml determined by ELISA.