

Anti-Claudin 18.2 Antibody (Zolbetuximab Biosimilar)

Cat. No. AB83

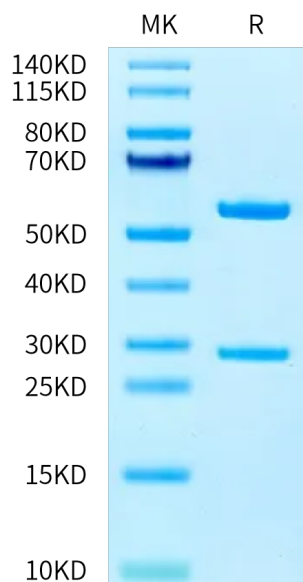
Description	
Reactivities	Human
Target	Claudin 18.2
Isotype	Human IgG1-Kappa
Conjugation	Unconjugated
ExpressSystem	HEK293
Applications	ELISA
MolecularWeight	49.4 kDa and 24.2 kDa.
Recommended Dilution Buffer	PBS (pH 7.4), contains no stabilizers or preservatives.
Purification	protein A
Sterility	0.2 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	
Claudin18 (CLDN18) belongs to the large claudin family of proteins, which form tight junction strands in epithelial cells. CLDN18 is specifically expressed in the stomach and lung. CLDN18 has two alternatively spliced variants, CLDN18.1 and CLDN18.2. Isoform 2 (Claudin 18.2) is abundant in gastric tumors.	

Assay Data

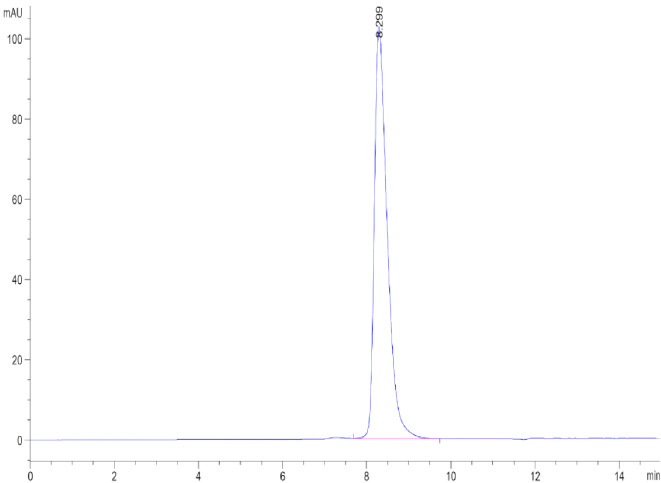
Bis-Tris PAGE



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

SEC-HPLC

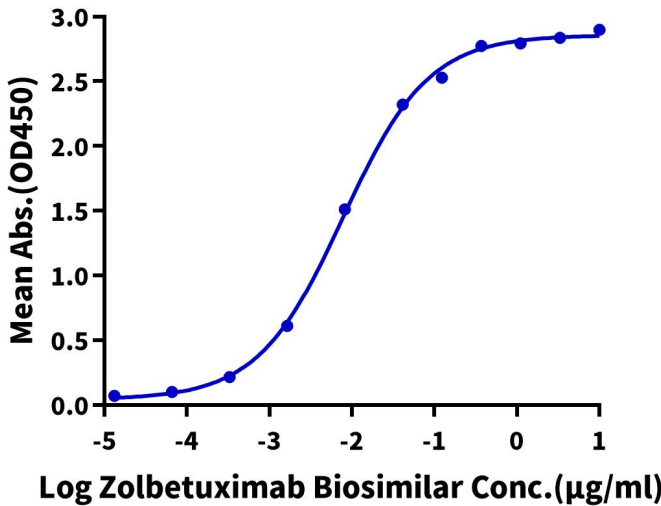
Assay Data



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

ELISA Data

Zolbetuximab Biosimilar ELISA
0.5µg Human Claudin18.2 VLP Per Well



Immobilized Human Claudin18.2 VLP at 5µg/ml (100µl/well) on the plate. Dose response curve for Zolbetuximab Biosimilar with the EC50 of 7.8ng/ml determined by ELISA.