

Anti-CD19 Antibody (Coltuximab Biosimilar)



Cat. No. AB32

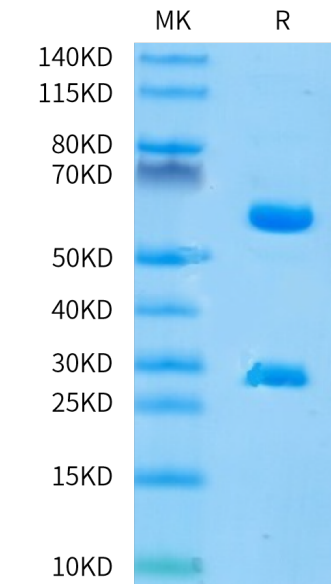
Description	
Reactivities	Human
Target	CD19
Isotype	Human IgG1-Kappa
Conjugation	Unconjugated
ExpressSystem	HEK293
Applications	ELISA
MolecularWeight	51.5 kDa and 23 kDa.
Recommended Dilution Buffer	PBS (pH 7.4), contains no stabilizers or preservatives.
Purification	protein A
Sterility	0.2 μM filtered
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	
CD19 is a 95 kDa transmembrane glycoprotein that plays a central role in B cell activation and humoral immune responses. Functions as coreceptor for the B-cell antigen receptor complex (BCR) on B-lymphocytes. Decreases the threshold for activation of downstream signaling pathways and for triggering B-cell responses to antigens. Activates signaling pathways that lead to the activation of phosphatidylinositol 3-kinase and the mobilization of intracellular Ca2 stores.	

Assay Data

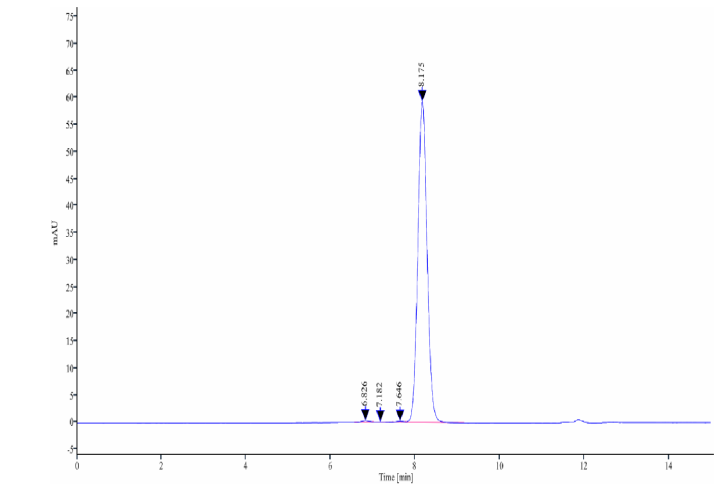
Bis-Tris PAGE



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

SEC-HPLC

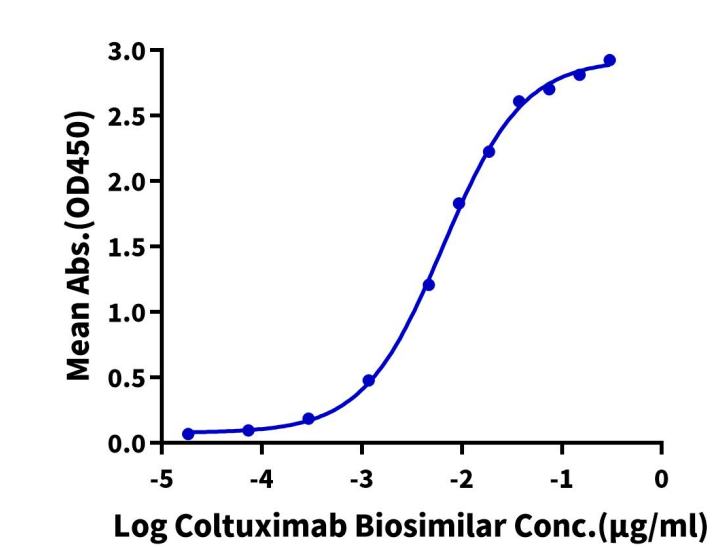
Assay Data



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

ELISA Data

Coltuximab Biosimilar ELISA
0.2µg Human CD19, His Tag Per Well



Immobilized Human CD19, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Coltuximab Biosimilar with the EC50 of 6.5ng/ml determined by ELISA.