

Anti-TROP-2 Antibody (Sacituzumab Biosimilar)



Cat. No. AB20

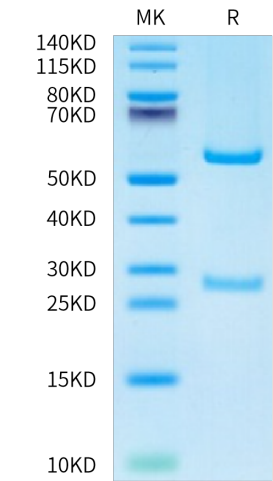
Description	
Reactivities	Human/Cynomolgus
Target	TROP-2
Isotype	Human IgG1-Kappa
Conjugation	Unconjugated
ExpressSystem	HEK293
Applications	ELISA
MolecularWeight	49.4 kDa and 23.3 kDa.
Recommended Dilution Buffer	PBS (pH 7.4), contains no stabilizers or preservatives.
Purification	protein A
Sterility	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	
Trop-2, also known as epithelial glycoprotein-1 antigen (EGP-1), is a protein that in humans is encoded by the TACSTD2 gene. Mutations of this gene result in gelatinous drop-like corneal dystrophy, an autosomal recessive disorder characterized by severe corneal amyloidosis leading to blindness.	

Assay Data

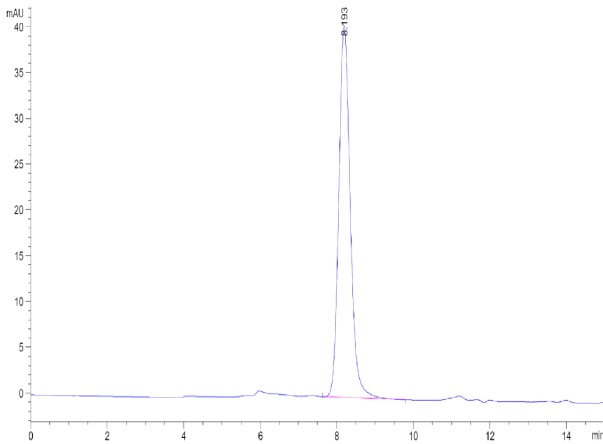
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



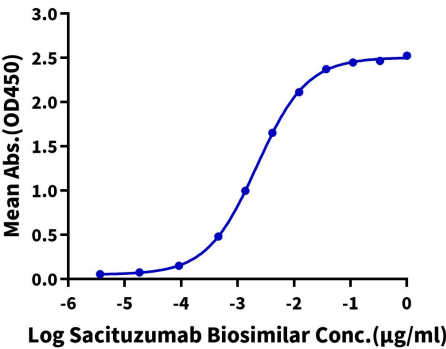
The purity of Sacituzumab Biosimilar is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Sacituzumab Biosimilar ELISA

0.05µg Human TROP-2, His Tag Per Well



Immobilized Human TROP-2, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Sacituzumab Biosimilar with the EC50 of 2.2ng/ml determined by ELISA.