

Anti-CD38 Antibody (Daratumumab Biosimilar)

Cat. No. AB94

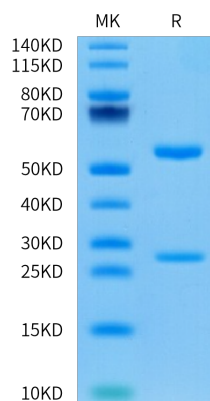
Description	
Reactivities	Human
Target	CD38
Isotype	Human IgG1-Kappa
Conjugation	Unconjugated
ExpressSystem	HEK293
Applications	ELISA
MolecularWeight	23.4 kDa and 49.3 kDa.
Recommended Dilution Buffer	PBS (pH 7.4), contains no stabilizers or preservatives.
Purification	protein A
Sterility	0.2 µM filtered
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	
CD38 is highly and uniformly expressed on multiple myeloma (MM) cells, and at relatively low levels on normal lymphoid and myeloid cells, and in some tissues of nonhematopoietic origin. CD38 is a transmembrane glycoprotein with ectoenzymatic activity, and also functions as a receptor and adhesion molecule. Altogether, this has triggered the development of several CD38 antibodies including daratumumab (fully human), isatuximab (chimeric), and MOR202 (fully human).	

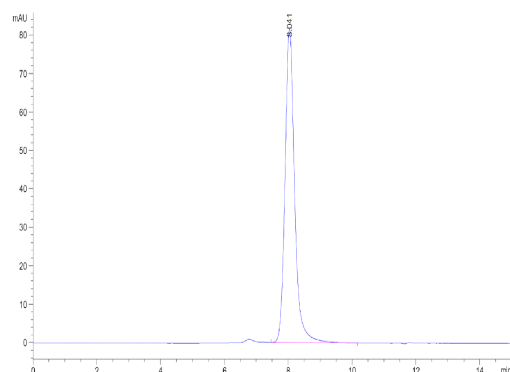
Assay Data

Bis-Tris PAGE



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

SEC-HPLC



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

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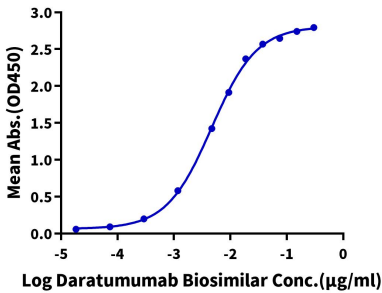


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Assay Data

ELISA Data

Daratumumab Biosimilar ELISA
0.1µg Human CD38, His Tag Per Well



Immobilized Human CD38, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Daratumumab Biosimilar with the EC50 of 4.7ng/ml determined by ELISA.