

Anti-GDF8 hlgG4 Reference Antibody (Apitbio)

Product Information

Product Name	Anti-GDF8 hlgG4 Reference Antibody (Apitbio)
Storage temp.	Store at 2-8°C short term (1-2 weeks).Store at $\leq -20^{\circ}\text{C}$ long term. Avoid repeated freeze-thaw.
Catalog# / Size	GM-87970MAB-1mg / 1 mg GM-87970MAB-5mg / 5 mg GM-87970MAB-25mg / 25 mg GM-87970MAB-50mg / 50 mg GM-87970MAB-100mg / 100 mg

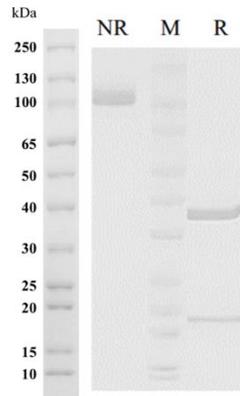
Antibody Information

Expression System	CHO
Aggregation	< 5% as determined by SEC-HPLC
Purity	> 95% as determined by SDS-PAGE
Endotoxin	< 1 EU/mg, determined by LAL gel clotting assay
Sterility	0.2 μm Filtered
Target	GDF8
Clone	Apitegromab
Alternative Names	MSTN, MSLHP
Source/Isotype	Monoclonal human IgG4, lambda
Application	/
Description	GDF8 (Growth Differentiation Factor 8), also known as Myostatin, is a secreted protein that belongs to the Transforming Growth Factor- β (TGF- β) superfamily. Apitegromab is a monoclonal antibody drug that targets a specific region of the GDF8 precursor. It works by binding to the immature GDF8 precursor or associated activator proteins, thereby inhibiting the activity of Myostatin and improving muscle function. Compared to other therapies that directly antagonize mature GDF8 protein, Apitegromab may offer greater selectivity and safety by avoiding the complete inhibition of other proteins in the TGF- β family, thus reducing the risk of potential side effects.
Formulation	phosphate-buffered solution, pH 7.4.

Version:3.1

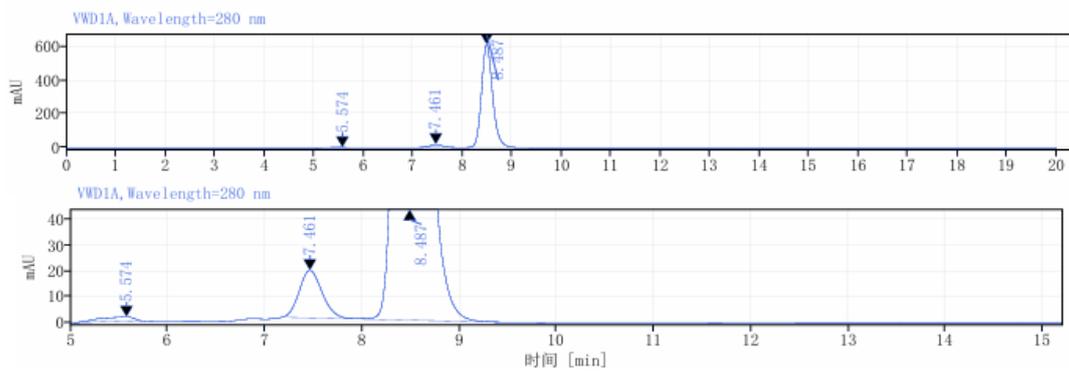
Data Examples

SDS-PAGE



On SDS-PAGE under reducing (R)/non-reducing(N-R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.

SEC-HPLC



The purity of this product is more than 95% verified by SEC-HPLC