

# Anti-Latent GDF-8 Antibody (Apitegromab Biosimilar)

Cat. No. AB651

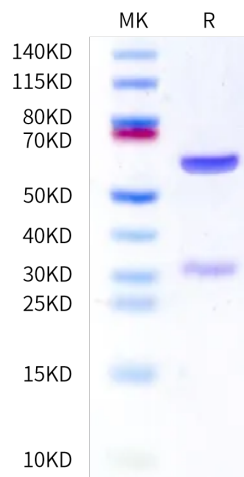
| Description                 |                                                         |
|-----------------------------|---------------------------------------------------------|
| Reactivities                | Human/Cynomolgus/Mouse/Rat                              |
| Target                      | Latent GDF-8                                            |
| Isotype                     | Human IgG1-Kappa                                        |
| Conjugation                 | Unconjugated                                            |
| ExpressSystem               | HEK293                                                  |
| Applications                | ELISA                                                   |
| MolecularWeight             | 52.27 kDa and 22.55 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                                                                                                                                                                                                                                                                                                                                                                                                              |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Growth/differentiation factor 8 (GDF8), or myostatin, negatively regulates muscle mass. GDF8 is held in a latent state through interactions with its N-terminal prodomain. GDF8, like numerous TGF-β family members, is a disulfidelinked dimer that is synthesized as a precursor protein which requires cleavage by a furin-like protease to yield an N-terminal prodomain and a C-terminal mature, signaling domain. |  |

## Assay Data

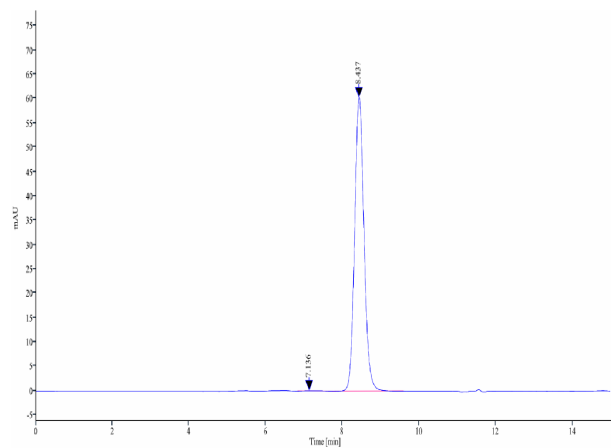
### Bis-Tris PAGE



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

### SEC-HPLC

Assay Data



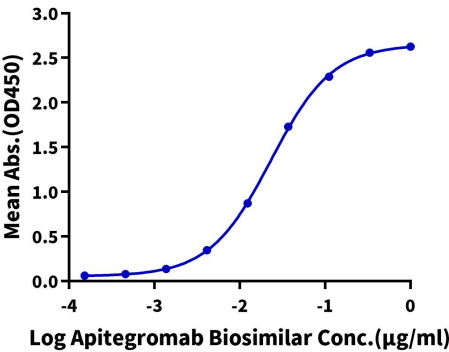
The purity of Apitegromab Biosimilar is greater than 95% as determined by SEC-HPLC.

Assay Data

ELISA Data

Apitegromab Biosimilar ELISA

0.1µg Human Latent GDF-8, His Tag Per Well



Immobilized Human Latent GDF-8, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Apitegromab Biosimilar with the EC50 of 23.1ng/ml determined by ELISA.