

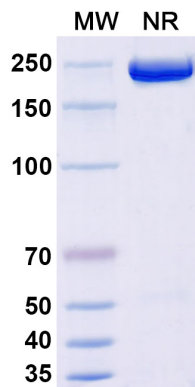
Product Information	
Catalog No.	BS10856
Product name	Anti-Human GDF-8/Myostatin Reference Antibody (Apitegromab, RUO)
Applications	ELISA, Bioactivity: FACS, Functional assay, Research in vivo
Species reactivity	Human
Host species	Human
Clonality	Monoclonal
Isotype	IgG4-Lambda
Form	Liquid
Storage buffer	0.01M PBS, pH 7.4.
Concentration	7.48mg/ml
Purity	>95% purity as determined by SDS-PAGE.
Purification	Protein A/G purified from cell culture supernatant.
Target	GDF-8, GDF8, MSTN, Myostatin, Growth/differentiation factor 8
Expression system	Mammalian Cells
Accession	O14793
Endotoxin level	Please contact the lab for this information.
Stability and Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Store at 4°C for short-term storage (1-2 weeks). Store at -20°C for up to 12 months. For long-term storage, store at -80°C.
Alternative Names	SRK015, SRK-015, SRK015, 2278276-46-1
Note	For research use only. Not suitable for clinical or therapeutic use.

Background

Ramatercept (ACE-031) is a soluble ActRIIB receptor and can be used as a soluble activin receptor 2 (ACVR2) antagonist. Ramatercept inhibits the signal pathway of muscle growth inhibition and has potential application in muscle atrophy.

- Targeting the myostatin signaling pathway to treat muscle loss and metabolic dysfunction., PMID:33938454
- Regulation of skeletal muscle mass in mice by a new TGF-beta superfamily member., PMID:9139826
- GDF8 inhibition enhances musculoskeletal recovery and mitigates posttraumatic osteoarthritis following joint injury., PMID:38019905
- Growth differentiation factor 8 down-regulates pentraxin 3 in human granulosa cells., PMID:25641196
- Growth differentiation factor myostatin regulates epithelial-mesenchymal transition genes and enhances invasion by increasing serine protease inhibitors E1 and E2 in human trophoblast cells., PMID:37738042
- Growth differentiation factor 8 induces SKOV3 ovarian cancer cell migration and E-cadherin down-regulation., PMID:27481097
- Circulating Growth Differentiation Factor 11/8 Levels Decline With Age., PMID:26489925
- Crystal structure of the WFIKKN2 follistatin domain reveals insight into how it inhibits growth differentiation factor 8 (GDF8) and GDF11., PMID:30814254
- Effects of growth differentiation factor 8 on steroidogenesis in human granulosa-lutein cells., PMID:26607022
- Molecular characterization of latent GDF8 reveals mechanisms of activation., PMID:29348202

Image Data



SDS-PAGE for Research Grade Apitegromab.

SDS-PAGE