SZABO SCANDIC

Part of Europa Biosite

Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

Anti-Myostatin Antibody

Catalog: 102716
Lot: 250507

Product Information

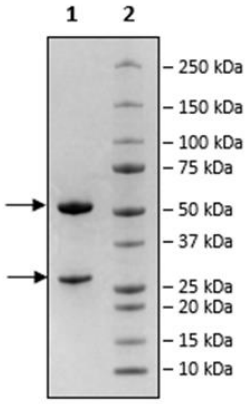
Description:	This anti-myostatin antibody is a purified, recombinant human monoclonal antibody that recognizes human myostatin, also known as growth differentiation factor 8 (GDF-8). This antibody has been tested in a binding assay. This antibody is similar to Apitegromab.
Background:	Myostatin, also known as Growth differentiation Factor 8 (GDF-8), is a secreted protein that is expressed specifically in developing and adult skeletal muscle. It controls myoblast proliferation and is a potent negative regulator of skeletal muscle mass. Myostatin belongs to the transforming growth factor β (TGF-β) superfamily. All TGF-β superfamily members are synthesized and secreted as a homodimeric pre-propeptide that is cleaved by proprotein convertases such as furin to generate the dimeric N-terminal propeptide and the dimeric C-terminal mature active protein. The C- terminal mature protein contains the characteristic conserved cysteine residues involved in the formation of the cysteine knot domain. Myostatin is highly conserved across species. Among TGF-β family members, Myostatin is most closely related to GDF-11/BMP-11. Myostatin-targeting drugs aim to increase muscle mass, including monoclonal antibodies such as apitegromab, domagrozumab, and landogrozumab, which are under investigation as therapeutics for diseases such as sarcophenia, muscular dystrophy, and spinal muscular atrophy (SMA). They may also be useful to avoid loss of muscle mass when taking weight loss drugs such as incretin analogs (GLP-1, GIPR, and glucagon analogs).
Species:	Human
Isotype:	IgG4
Concentration:	1.74 mg/ml
Expression System:	HEK293
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	8 mM phosphate, pH 7.4, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
MW:	Heavy chain: 50 kDa + glycans; Light chain: 23 kDa
Glycosylation:	This antibody runs at a higher MW by SDS-PAGE due to glycosylation.
Endotoxin Level:	2.87 EU/mg
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	A white 96-well plate was precoated with Myostatin protein (MedChem Express #HY-P704015) (100 ng/well). Blocking Buffer 3 (#79743) and PBST were used for blocking and washing steps, respectively. For titration, a serial dilution of Anti-Myostatin Antibody (#102716) at the highest concentration of 10 ng/µl (250 ng/reaction) was prepared in 1x PP-02 Assay Buffer (#82620). The diluted antibody was then added to the wells and incubated at Room Temperature (RT) for 1 hour. The plate was washed again and incubated with anti-Fc-HRP conjugate diluted 1:1000 in Blocking Buffer 3 for 1 hour at RT. After the final wash, ELISA ECL mix (#79670) was added to each well and chemiluminescence was read.
Applications:	Useful for binding assays.

Anti-Myostatin Antibody

Catalog: 102716
Lot: 250507

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



Myostatin:Anti-Myostatin Binding Activity