

Datasheet for ABIN191941 **anti-MSTN antibody**



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Overview

Quantity:	0.1 mg
Target:	MSTN
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This MSTN antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant Myostatin
Clone:	4D
Isotype:	IgG2b
Specificity:	This antibody detects Myostatin prodomain.
Characteristics:	Synonyms: MSTN, GDF8, GDF-8, Growth differentiation factor 8
Purification:	Protein G Chromatography

Target Details

Target:	MSTN
Alternative Name:	Myostatin (MSTN Products)
Background:	Myostatin (GDF8) is expressed uniquely in human skeletal muscle as a 12 kDa mature

Target Details

glycoprotein consisting of 113 amino acid residues and secreted into plasma. Myostatin is a member of the transforming growth factor β superfamily of secreted growth and differentiation factors that is essential for proper regulation of skeletal muscle mass. Studies have shown that myostatin could play an important role in cardiac development and physiology. In serum, myostatin circulates as part of a latent complex containing myostatin propeptide and/or follistatin-related gene. The myostatin propeptide is known to bind and inhibit myostatin in vitro. This interaction is relevant in vivo, with a majority (>70 %) of myostatin in serum bound to its propeptide. The myostatin propeptide is negative regulator of myostatin in vivo. Synonyms: GDF-8, GDF8, Growth differentiation factor 8, MSTN

Gene ID: 2660

UniProt: [O14793](#)

Application Details

Application Notes: ELISA.
Other applications not tested.
Optimal dilutions are dependent on conditions and should be determined by the user.

Restrictions: For Research Use only

Handling

Reconstitution: Restore in aqua bidest to 1 mg/mL.

Buffer: 50 mM TRIS, pH 7.4

Storage: 4 °C/-20 °C

Storage Comment: Store lyophilized at 2 - 8 °C and reconstituted at -20 °C. Avoid repeated freezing and thawing.
Shelf life: One year from despatch.

Expiry Date: 12 months