



# GDF-8 Monoclonal Antibody

<b>Catalog No</b>	BYab-15834
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	MSTN
<b>Protein Name</b>	Growth/differentiation factor 8
<b>Immunogen</b>	Purified recombinant fragment of GDF-8 expressed in E. Coli.
<b>Specificity</b>	GDF-8 Monoclonal Antibody detects endogenous levels of GDF-8 protein.
<b>Formulation</b>	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
<b>Source</b>	Monoclonal, Mouse
<b>Purification</b>	Affinity purification
<b>Dilution</b>	Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	MSTN; GDF8; Growth/differentiation factor 8; GDF-8; Myostatin
<b>Observed Band</b>	
<b>Cell Pathway</b>	Secreted .
<b>Tissue Specificity</b>	Colon,Muscle,Pericardium,Skeletal muscle,
<b>Function</b>	function:Acts specifically as a negative regulator of skeletal muscle growth.,online information:Myostatin entry,similarity:Belongs to the TGF-beta family.,subunit:Homodimer; disulfide-linked (By similarity). Interacts with WFIKKN2, leading to inhibit its activity.,
<b>Background</b>	myostatin(MSTN) Homo sapiens This gene encodes a secreted ligand of the TGF-beta (transforming growth factor-beta) superfamily of proteins. Ligands of this family bind various TGF-beta receptors leading to recruitment and activation of SMAD family transcription factors that regulate gene expression. The encoded preproprotein is proteolytically processed to generate each subunit of the disulfide-linked homodimer. This protein negatively regulates skeletal muscle cell proliferation and differentiation. Mutations in this gene are associated with increased skeletal muscle mass in humans and other mammals. [provided by

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RefSeq, Jul 2016],

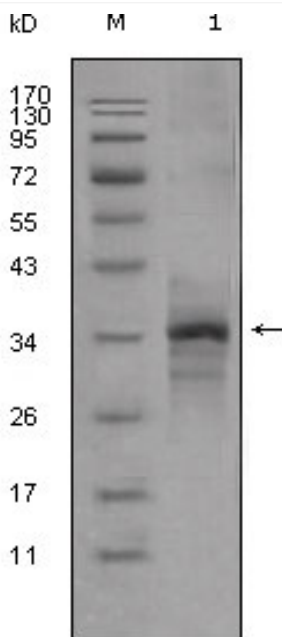
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

## Products Images



Western Blot analysis using GDF-8 Monoclonal Antibody against truncated GDF-8-His recombinant protein (1).

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