Datasheet for ABIN115510

anti-MSTN antibody

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Overview

Quantity:	50 µg
Target:	MSTN
Reactivity:	Human
Host:	Chicken
Clonality:	Polyclonal
Conjugate:	This MSTN antibody is un-conjugated
Application:	Enzyme Immunoassay (EIA)

Product Details

Immunogen:	Recombinant human myostatin propeptide from E. coli.
Sequence:	Total 248 AA. MW: 28 kDa (calculated). 243 AA of recombinan t human Myostatin Propeptide and 5 extra AA: MGNENSEQKE NVEKEGLCNA CTWRQNTKSS RIEAIKIQIL SKLRLETAPN ISKDVIRQLL PKAPPLRELI DQYDVQRDDS SDGSLEDDDY HATTETIITM PTESDFLMQV DGKPKCCFFK FSSKIQYNKV VKAQLWIYLR PVETPTTVFV QILRLIKPMK DGTRYTGIRS LKLDMNPGTG IWQSIDVKTV LQNWLKQPES NLGIEIKALD ENGHDLAVTF PGPGEDGLNP FLEVKVTDTP KRSRRKLN Remarks: The amino acid sequence of the recombinan t Human Myostatin Propeptide is 100% homologous with the amino acid sequence of the Human Myostatin Propeptide without signaling sequence.
Specificity:	The recombinant human myostatin propeptide is 100 % homologous with the human serum myostatin propeptide.
Purification:	Immunoaffinity chromatography.

Target Details

Target:	MSTN
Alternative Name:	Myostatin (MSTN Products)
Background:	Myostatin (GDF-8), a member of the TGFbeta superfamily, is a potent and specific negative regulator of skeletal muscle mass. 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
NCBI Accession:	NP_005250
UniProt:	O14793

Application Details

Application Notes:	Suitable for ELISA: Titer is defined by indirect ELISA, it is: > 1/100,000 for antibodyconcentration 1 mg/mL, 25 ng of antigen are coated per well, and is then defined at a pointof maximal decrease of the titration curve. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Reconstitution:	Add 0.05 mL of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.
Concentration:	1.0 mg/mL
Buffer:	0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2 containing no preservatives.
Preservative:	Without preservative
Handling Advice:	Avoid repeated freezing and thawing. Dilute only prior to immediate use.
Storage:	-20 °C
Storage Comment:	Store (in aliquots) at -20° C or below.