

Product datasheet for DP2016

Myostatin Propeptide (MSTN) Chicken Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA
Recommended Dilution:	Suitable for ELISA: Titer is defined by indirect ELISA, it is: > 1/100,000 for antibody concentration 1 mg/ml, 25 ng of antigen are coated per well, and is then defined at a point of maximal decrease of the titration curve.
Reactivity:	Human
Host:	Chicken
Clonality:	Polyclonal
Immunogen:	Recombinant human myostatin propeptide from E. coli.
Specificity:	The recombinant human myostatin propeptide is 100% homologous with the human serum myostatin propeptide.
Formulation:	0.05 M phosphate buffer, 0.1 M NaCl, pH 7.2 containing no preservatives. State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	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:	lot specific
Purification:	Immunoaffinity chromatography.
Conjugation:	Unconjugated
Storage:	Store lyophilized antibody at 2-8°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles and store frozen at -80°C. Reconstituted antibody can be stored at 2-8°C for a limited period of time; it does not show decline in activity after two weeks at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	myostatin
Database Link:	Entrez Gene 2660 Human O14793



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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:

MSTN, GDF8, GDF-8, Growth differentiation factor 8