

Canine Myostatin ELISA Kit | Myostatin elisa kit

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CATALOG #
AAA97083

REACTIVITY
Canine

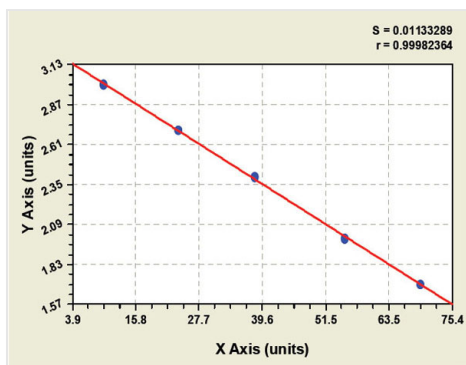
PRODUCT SYNONYMS

Myostatin; Canine Myostatin ELISA Kit; Myostatin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 pg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Myostatin elisa kit

Intended Uses: This Myostatin ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine Myostatin. This ELISA kit for research use only!

Principle of the Assay: Myostatin ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Myostatin antibody and an Myostatin-HRP conjugate. The assay sample and buffer are incubated together with Myostatin-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Myostatin concentration since Myostatin from samples and Myostatin-HRP conjugate compete for the anti-Myostatin antibody binding site. Since the number of sites is limited, as more sites are occupied by Myostatin from the sample, fewer sites are left to bind Myostatin-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Myostatin concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4572644
UniProt Accession #	Q9TSY4
Molecular Weight	14,932 Da
NCBI Official Full Name	myostatin, partial
UniProt Protein Name	Myostatin
UniProt Gene Name	MSTN
UniProt Entry Name	Q9TSY4_PIG

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/myostatin/97083>