

Bovine Amelogenin, X isoform (AMELX) ELISA Kit | AMELX elisa kit

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CATALOG #
AAA246518

REACTIVITY
Bovine

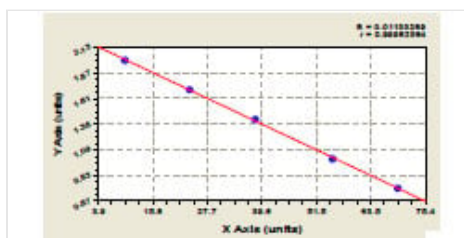
PRODUCT SYNONYMS

Amelogenin; X isoform (AMELX); Bovine Amelogenin; X isoform (AMELX) ELISA Kit; AMELX elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMELX elisa kit

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

Principle of the Assay||AMELX ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AMELX antibody and an AMELX-HRP conjugate. The assay sample and buffer are incubated together with AMELX-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 AMELX concentration since AMELX from samples and AMELX-HRP conjugate compete for the anti-AMELX antibody binding site. Since the number of sites is limited, as more sites are occupied by AMELX from the sample, fewer sites are left to bind AMELX-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AMELX concentration in each sample is interpolated from this standard curve.

Product Categories/Family for AMELX elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502071
NCBI GeneID	265
NCBI Accession #	NP_001133.1
NCBI GenBank Nucleotide #	NM_001142.2
Molecular Weight	23,111 Da
NCBI Official Full Name	amelogenin, X isoform isoform 1
NCBI Official Synonym Full Names	amelogenin, X-linked
NCBI Official Symbol	AMELX
NCBI Official Synonym Symbols	AMG; AI1E; AIH1; ALGN; AMGL; AMGX
NCBI Protein Information	amelogenin, X isoform; amelogenesis imperfecta 1; amelogenin (amelogenesis imperfecta 1, X-linked); amelogenin (X chromosome, amelogenesis imperfecta 1)
UniProt Protein Name	Amelogenin, X isoform
UniProt Gene Name	AMELX
UniProt Synonym Gene Names	AMG; AMGX
UniProt Entry Name	AMELX_HUMAN

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/bovine-ovine-elisa-kits/amelogenin-x-isoform-amelx/246518>