

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

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CATALOG #
AAA246638

REACTIVITY
Human

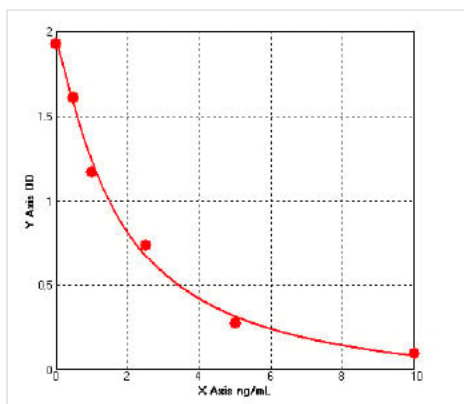
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AMELX. No significant cross-reactivity or interference between AMELX and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AMELX and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/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	Principle of the Assay: AMELX ELISA kit applies the competitive enzyme immunoassay technique utilizing an 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. Intended Uses: This AMELX ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AMELX. This ELISA kit for research use only, not for therapeutic or test applications!
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.