

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

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CATALOG #
AAA66770

REACTIVITY
Human

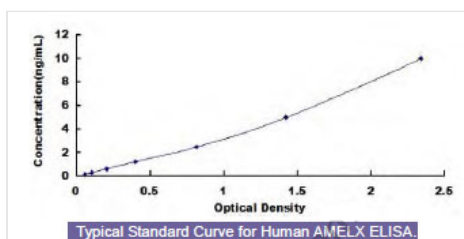
PRODUCT SYNONYMS

Amelogenin; X-Linked (AMELX); Human Amelogenin; X-Linked (AMELX) ELISA Kit; AMGX; AIH1; ALGN; AMG; AMGL; Amelogenesis Imperfecta 1; 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.
Sequence Length	191
Samples	Tissue homogenates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level AMELX were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level AMELX were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMELX elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of AMELX in human tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to AMELX. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to AMELX. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain AMELX, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of AMELX in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4502071
NCBI GeneID	265
NCBI Accession #	NP_001133.1
NCBI GenBank Nucleotide #	NM_001142.2
UniProt Accession #	Q99217; Q96NW6; Q9UCA7
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
UniProt Protein Name	Amelogenin, X isoform
UniProt Gene Name	AMELX
UniProt Synonym Gene Names	AMG; AMGX

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/human-elisa-kits/amelogenin-x-linked-amelx/66770>