

Rat Ameloblastin (AMBN) ELISA Kit | AMBN elisa kit

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CATALOG #
AAA246041

REACTIVITY
Rat

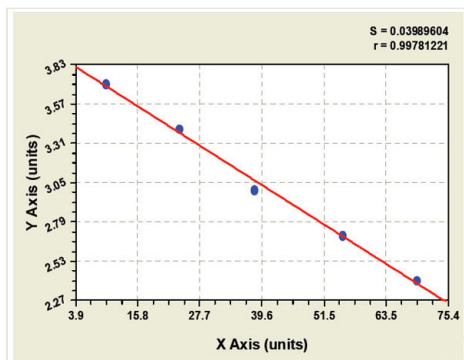
PRODUCT SYNONYMS

Ameloblastin (AMBN); Rat Ameloblastin (AMBN) ELISA Kit; AMBN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This AMBN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat AMBN. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMBN elisa kit

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	7706067
NCBI GeneID	258
NCBI Accession #	NP_057603.1
NCBI GenBank Nucleotide #	NM_016519.5
Molecular Weight	46,577 Da
NCBI Official Full Name	ameloblastin
NCBI Official Synonym Full Names	ameloblastin (enamel matrix protein)
NCBI Official Symbol	AMBN
NCBI Protein Information	ameloblastin
UniProt Protein Name	Ameloblastin
UniProt Gene Name	AMBN
UniProt Entry Name	AMBN_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/rat-elisa-kits/ameloblastin-ambn/246041>