

## Rat Ameloblastin (AMBN) ELISA Kit | AMBN elisa kit

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CATALOG #  
AAA246041

REACTIVITY  
Rat

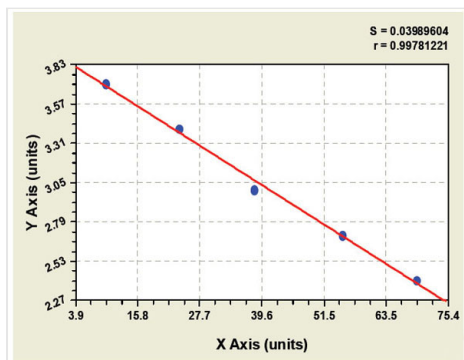
### PRODUCT SYNONYMS

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                | <b>AMBN</b>                          |
| 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://www.aaabiotech.com/rat-elisa-kits/ameloblastin-ambn/246041>