

## Rat N-MID Osteocalcin ELISA Kit | N-MID-OT elisa kit

Rat N-MID Osteocalcin ELISA Kit

CATALOG #  
**AAA83372**

REACTIVITY  
**Rat**

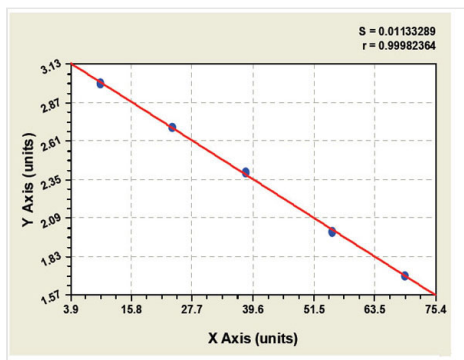
### PRODUCT SYNONYMS

N-MID Osteocalcin; Rat N-MID Osteocalcin ELISA Kit; N-MID-OT elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Rat                                                                        |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Detection Range         | 100-2500pg/mL                                                              |
| Sensitivity             | 1.0pg/ml                                                                   |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for N-MID-OT elisa kit

**Intended Uses:** This N-MID-OT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat N-MID-OT. This ELISA kit for research use only!

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

**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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