

## Parathyroid hormone ELISA Kit | PTH elisa kit

Rat Parathyroid hormone ELISA Kit

CATALOG #  
**AAA82109**

REACTIVITY  
**Rat**

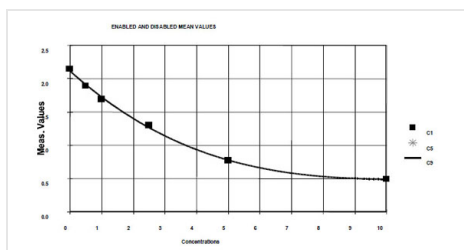
### PRODUCT SYNONYMS

Parathyroid hormone; Rat Parathyroid hormone ELISA Kit; Rat Parathyroid hormone (PTH) ELISA Kit; Parathyroid hormone (Rat); PTH elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                           |
|-------------------------|---------------------------------------------------------------------------|
| Reactivity              | Rat                                                                       |
| Samples                 | Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma |
| Preparation and Storage | Store all reagents at 2-8 degree C                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PTH elisa kit

**For Samples:** Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma

**Intended Uses:** This PHT ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of PHT in the sample, this PHT ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus PHT concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve.

**Principle of the Assay:** The coated well immunoenzymatic assay for the quantitative measurement of PHT utilizes a monoclonal anti-PHT antibody and an PHT-HRP conjugate. The assay sample and buffer are incubated together with PHT-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 PHT concentration since PHT from samples and PHT-HRP conjugate compete for the anti-PHT antibody binding site. Since the number of sites is limited, as more sites are occupied by PHT from the sample, fewer sites are left to bind PHT-HRP conjugate. Standards of known PHT concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of PHT. The PHT concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for PTH elisa kit

[Rat ELISA Kit](#)

NCBI AND UNIPROT INFORMATION

|                         |                         |
|-------------------------|-------------------------|
| NCBI GI #               | 222420251               |
| UniProt Accession #     | B9DLD9                  |
| Molecular Weight        | 21,544 Da               |
| NCBI Official Full Name | pth                     |
| UniProt Protein Name    | Peptidyl-tRNA hydrolase |
| UniProt Gene Name       | pth                     |
| UniProt Entry Name      | PTH_STACT               |

**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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