

## Human Parathyroid hormone ELISA Kit | PTH elisa kit

Human Parathyroid hormone ELISA Kit

CATALOG #  
**AAA83236**

REACTIVITY  
**Human**

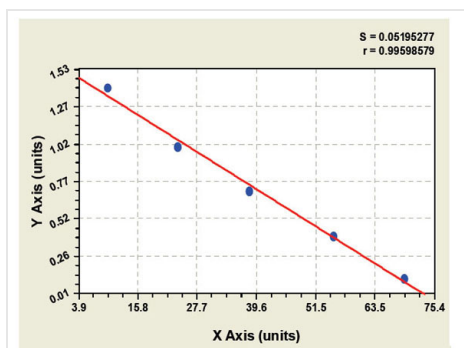
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Human                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate |
| Assay Type              | Competitive                                                                |
| Sensitivity             | 1.0 pg/mL.                                                                 |
| 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:** Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

**INTENDED USE** This PTH ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PTH. This ELISA kit for research use only!

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

|                                             |                 |
|---------------------------------------------|-----------------|
| Product Categories/Family for PTH elisa kit | Human 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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 Online datasheet: <https://stage.aaabiotech.com/pth-human-elisa-kits/parathyroid-hormone/83236>