

## Rat prolactin ELISA Kit | PRL elisa kit

rat prolactin, PRL ELISA Kit

CATALOG #  
AAA80722

REACTIVITY  
Rat

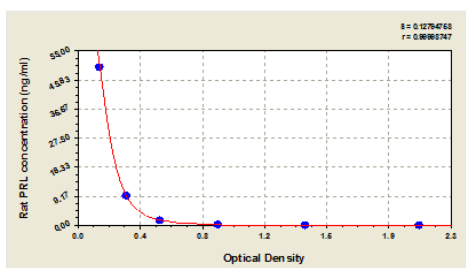
### PRODUCT SYNONYMS

prolactin; rat prolactin; PRL ELISA Kit; PRL elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                             |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of rat PRL. No significant cross-reactivity or interference between rat PRL and analogues was observed. |
| Sequence Length         | 227                                                                                                                                                                             |
| Samples                 | Serum, plasma, cell culture supernates, tissue homogenates, cell lysates                                                                                                        |
| Assay Type              | Quantitative Competitive                                                                                                                                                        |
| Detection Range         | 0.125 ng/ml-50 ng/ml                                                                                                                                                            |
| Sensitivity             | < 0.125 ng/ml                                                                                                                                                                   |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<15%. Three samples of known concentration were tested twenty times on one plate to assess.                               |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<15%. Three samples of known concentration were tested in twenty assays to assess.                                         |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                               |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PRL elisa kit

**Principle of the Assay:** This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with goat-anti-rabbit antibody. Standards or samples are added to the appropriate microtiter plate wells with an antibody specific for PRL and Horseradish Peroxidase (HRP) conjugated PRL. The competitive inhibition reaction is launched between with HRP labeled PRL and unlabeled PRL with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of PRL in the sample. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

|                            |                |
|----------------------------|----------------|
| NCBI GI #                  | 130504953      |
| NCBI GeneID                | 100009394      |
| NCBI Accession #           | NP_001076144.1 |
| NCBI GenBank Nucleotide #  | NM_001082675.1 |
| UniProt Accession #        | Q28632         |
| Molecular Weight           | 25,990 Da      |
| NCBI Official Full Name    | prolactin      |
| NCBI Official Symbol       | PRL            |
| NCBI Protein Information   | prolactin      |
| UniProt Protein Name       | Prolactin      |
| UniProt Gene Name          | <b>PRL</b>     |
| UniProt Synonym Gene Names | PRL            |
| UniProt Entry Name         | PRL_RABIT      |

**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/prl-rat-elisa-kits/prolactin/80722>