

## Rat hydroxyphenylpyruvate dioxygenase (HPD) ELISA Kit | HPD elisa kit

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CATALOG #  
**AAA120882**

REACTIVITY  
**Rat**

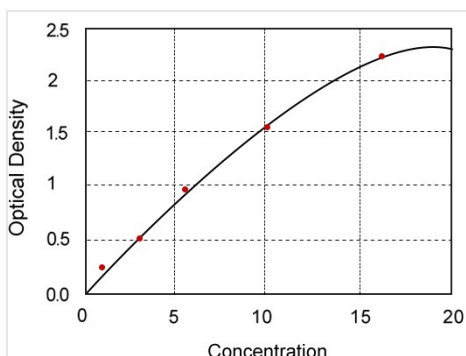
### PRODUCT SYNONYMS

hydroxyphenylpyruvate dioxygenase (HPD); Rat hydroxyphenylpyruvate dioxygenase (HPD) ELISA Kit; HPD elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                          |
|-------------------------|--------------------------------------------------------------------------|
| Reactivity              | Rat                                                                      |
| Sequence Length         | 393                                                                      |
| Samples                 | Serum, plasma, cell culture supernates, cell lysates, tissue homogenates |
| Assay Type              | Quantitative Sandwich                                                    |
| Detection Range         | 0.5ng/ml - 100ng/ml                                                      |
| Sensitivity             | 0.23ng/ml                                                                |
| Intra-Assay             | CV<8%                                                                    |
| Inter-Assay             | CV<10%                                                                   |
| Preparation and Storage | Store at 2 to 8 degree C for 6 months.                                   |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for HPD elisa kit

**Intended Uses:** This sandwich kit is for the accurate quantitative detection of Rat Hydroxyphenylpyruvate Dioxygenase (also known as HPD) in serum, plasma, cell culture supernates, cell lysates, tissue homogenates.

**Principles of the Assay:** This kit is an Enzyme-Linked Immunosorbent Assay (ELISA). The plate has been pre-coated with Rat HPD antibody. HPD present in the sample is added and binds to antibodies coated on the wells. And then biotinylated Rat HPD Antibody is added and binds to HPD in the sample. Then Streptavidin-HRP is added and binds to the Biotinylated HPD antibody. After incubation unbound Streptavidin-HRP is washed away during a washing step. Substrate solution is then added and color develops in proportion to the amount of Rat HPD. The reaction is terminated by addition of acidic stop solution and absorbance is measured at 450 nm.

NCBI AND UNIPROT INFORMATION

|                                  |                                     |
|----------------------------------|-------------------------------------|
| NCBI GI #                        | 823672694                           |
| NCBI GeneID                      | 3242                                |
| Molecular Weight                 | 40,497 Da                           |
| NCBI Official Full Name          | HPD, partial                        |
| NCBI Official Synonym Full Names | 4-hydroxyphenylpyruvate dioxygenase |
| NCBI Official Symbol             | HPD                                 |
| NCBI Official Synonym Symbols    | PPD; 4HPPD; GLOD3; 4-HPPD; HPPDASE  |
| NCBI Protein Information         | 4-hydroxyphenylpyruvate dioxygenase |
| UniProt Protein Name             | 4-hydroxyphenylpyruvate dioxygenase |
| UniProt Gene Name                | HPD                                 |
| UniProt Synonym Gene Names       | PPD; 4HPPD; HPD; HPPDase            |

**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/hydroxyphenylpyruvate-dioxygenase-hpd/120882>