

## Porcine DDT ELISA Kit | DDT elisa kit

Porcine DDT (D-Dopachrome Tautomerase) ELISA Kit

CATALOG #  
**AAA163963**

REACTIVITY  
**Porcine**

### PRODUCT SYNONYMS

DDT; Porcine DDT (D-Dopachrome Tautomerase) ELISA Kit; DDT elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                          |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                  |
| Specificity             | This kit recognizes natural and recombinant Porcine DDT. No significant cross-reactivity or interference between Porcine DDT and analogues was observed. |
| Sequence Length         | 118                                                                                                                                                      |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                         |
| Assay Type              | Sandwich                                                                                                                                                 |
| Detection Range         | 0.313-20ng/mL                                                                                                                                            |
| Sensitivity             | Min: 0.188ng/mL; Max: 20ng/mL                                                                                                                            |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                     |

### ADDITIONAL INFORMATION

#### Related Product Information for DDT elisa kit

Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Porcine DDT concentrations in serum, plasma and other biological fluids.

Principle of the Assay: This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to DDT. Standards or samples are added to the appropriate micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for DDT and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain DDT, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of DDT. You can calculate the concentration of DDT in the samples by comparing the OD of the samples to the standard curve.

### NCBI AND UNIPROT INFORMATION

|                           |                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                 | <a href="#">4503291</a>                                                                                                    |
| NCBI GeneID               | <a href="#">1652</a>                                                                                                       |
| NCBI Accession #          | <a href="#">NP_001346.1</a>                                                                                                |
| NCBI GenBank Nucleotide # | <a href="#">NM_001355.3</a>                                                                                                |
| UniProt Accession #       | <a href="#">P30046</a> ; <a href="#">O00774</a> ; <a href="#">O60787</a> ; <a href="#">Q13534</a> ; <a href="#">B7Z522</a> |
| Molecular Weight          | 11,323 Da                                                                                                                  |

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI Official Full Name          | D-dopachrome decarboxylase                                |
| NCBI Official Synonym Full Names | D-dopachrome tautomerase                                  |
| NCBI Official Symbol             | DDT                                                       |
| NCBI Official Synonym Symbols    | DDCT                                                      |
| NCBI Protein Information         | D-dopachrome decarboxylase; phenylpyruvate tautomerase II |
| UniProt Protein Name             | D-dopachrome decarboxylase                                |
| UniProt Gene Name                | <b>DDT</b>                                                |
| UniProt Entry Name               | DOPD_HUMAN                                                |

**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/porcine-elisa-kits/ddt/163963>