

## Rat DDC (Dopamine Decarboxylase) ELISA Kit | DDC elisa kit

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CATALOG #  
**AAA249975**

REACTIVITY  
**Rat**

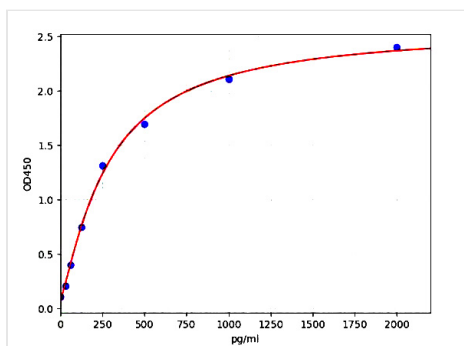
### PRODUCT SYNONYMS

DDC (Dopamine Decarboxylase); Rat DDC (Dopamine Decarboxylase) ELISA Kit; Aromatic-L-amino-acid decarboxylase; AADC; DOPA decarboxylase; DDC; Ddc; DDC elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of DDC. No significant cross-reactivity or interference between DDC and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                |
| Samples                 | Serum, plasma, tissue homogenates and other biological fluids                                                                                                           |
| Detection Range         | 31.25-2000pg/ml                                                                                                                                                         |
| Sensitivity             | 18.75pg/ml                                                                                                                                                              |
| Intra-assay Precision   | CV<8%                                                                                                                                                                   |
| Inter-assay Precision   | CV<10%                                                                                                                                                                  |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C            |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for DDC elisa kit | Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated. |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                           |
|----------------------------------|-----------------------------------------------------------|
| NCBI GI #                        | 399498500                                                 |
| NCBI GeneID                      | 24311                                                     |
| NCBI Accession #                 | NP_001257781.1                                            |
| NCBI GenBank Nucleotide #        | NM_001270852.1                                            |
| UniProt Accession #              | P14173; Q6LEG4                                            |
| Molecular Weight                 | 54,053 Da                                                 |
| NCBI Official Full Name          | aromatic-L-amino-acid decarboxylase isoform a             |
| NCBI Official Synonym Full Names | dopa decarboxylase (aromatic L-amino acid decarboxylase)  |
| NCBI Official Symbol             | Ddc                                                       |
| NCBI Official Synonym Symbols    | AADC                                                      |
| NCBI Protein Information         | aromatic-L-amino-acid decarboxylase; L-Dopa decarboxylase |
| UniProt Protein Name             | Aromatic-L-amino-acid decarboxylase                       |
| UniProt Gene Name                | Ddc                                                       |
| UniProt Synonym Gene Names       | AADC; DDC                                                 |
| UniProt Entry Name               | DDC_RAT                                                   |

**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/rat-elisa-kits/ddc-dopamine-decarboxylase/249975>