

## Rat Dopamine Receptor D1 ELISA Kit | DRD1 elisa kit

Rat Dopamine Receptor D1 ELISA Kit

CATALOG #  
**AAA17205**

REACTIVITY  
**Rat**

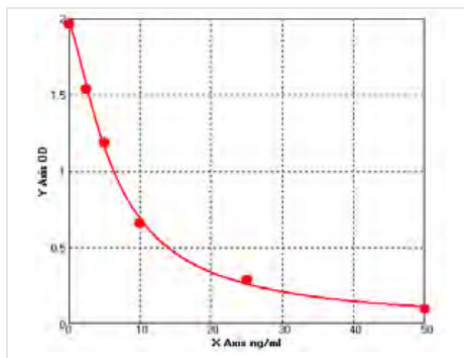
### PRODUCT SYNONYMS

Dopamine Receptor D1; Rat Dopamine Receptor D1 ELISA Kit; DRD1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                      |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of DRD1. No significant cross-reactivity or interference between DRD1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DRD1 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                 |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for DRD1 elisa kit | <p>Principle of the Assay: DRD1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DRD1 antibody and an DRD1-HRP conjugate. The assay sample and buffer are incubated together with DRD1-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 DRD1 concentration since DRD1 from samples and DRD1-HRP conjugate compete for the anti-DRD1 antibody binding site. Since the number of sites is limited, as more sites are occupied by DRD1 from the sample, fewer sites are left to bind DRD1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DRD1 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This DRD1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat DRD1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!</p> |
| Product Categories/Family for DRD1 elisa kit   | Neurobiology                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                        |
|----------------------------------|------------------------------------------------------------------------|
| NCBI GI #                        | 20269979                                                               |
| NCBI GeneID                      | 1812                                                                   |
| Molecular Weight                 | 49,293 Da                                                              |
| NCBI Official Full Name          | dopamine receptor D1                                                   |
| NCBI Official Synonym Full Names | dopamine receptor D1                                                   |
| NCBI Official Symbol             | DRD1                                                                   |
| NCBI Official Synonym Symbols    | DADR; DRD1A                                                            |
| NCBI Protein Information         | D(1A) dopamine receptor; D(1A) dopamine receptor; dopamine D1 receptor |
| UniProt Protein Name             | D(1A) dopamine receptor                                                |
| UniProt Gene Name                | DRD1                                                                   |
| UniProt Entry Name               | DRD1_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://stage.aaabiotech.com/drd1-rat-elisa-kits/dopamine-receptor-d1/17205>