

## Human Dopamine Receptor D4 ELISA Kit | DRD4 elisa kit

Human Dopamine Receptor D4 ELISA Kit

CATALOG #  
**AAA84930**

REACTIVITY  
**Human**

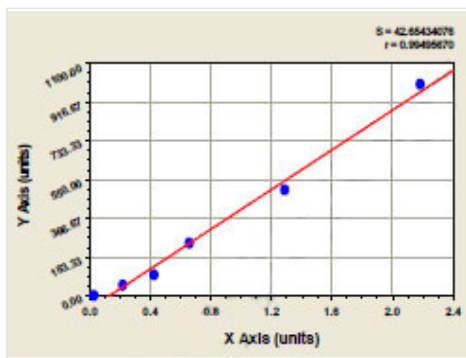
### PRODUCT SYNONYMS

Dopamine Receptor D4; Human Dopamine Receptor D4 ELISA Kit; DRD4 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                  |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                             |
| Assay Type              | Competitive                                                                                                                                                                            |
| Detection Range         | 1.0-25ng/mL                                                                                                                                                                            |
| Sensitivity             | 0.1ng/mL                                                                                                                                                                               |
| Intended Uses           | This DRD4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human DRD4. This ELISA kit for research use only, not for therapeutic applications! |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for DRD4 elisa kit

**Principle of the Assay:** DRD4 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for DRD4. Standards or samples are then added to the microtiter plate wells and DRD4 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of DRD4 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for DRD4 are added to each well to "sandwich" the DRD4 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain DRD4 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DRD4 concentration in each sample is interpolated from this standard curve.

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                   |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 291946                                                                                                                            |
| NCBI GeneID                      | 1815                                                                                                                              |
| Molecular Weight                 | 48,361 Da                                                                                                                         |
| NCBI Official Full Name          | dopamine receptor D4                                                                                                              |
| NCBI Official Synonym Full Names | dopamine receptor D4                                                                                                              |
| NCBI Official Symbol             | DRD4                                                                                                                              |
| NCBI Official Synonym Symbols    | D4DR                                                                                                                              |
| NCBI Protein Information         | D(4) dopamine receptor; D(4) dopamine receptor; dopamine D4 receptor; D(2C) dopamine receptor; seven transmembrane helix receptor |
| UniProt Protein Name             | D(4) dopamine receptor                                                                                                            |
| UniProt Gene Name                | <b>DRD4</b>                                                                                                                       |
| UniProt Entry Name               | DRD4_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/drd4-human-elisa-kits/dopamine-receptor-d4/84930>