

## Human Arrestin beta 2 ELISA Kit | ARRbeta2 elisa kit

Human Arrestin beta 2 ELISA Kit

CATALOG #  
**AAA85438**

REACTIVITY  
**Human**

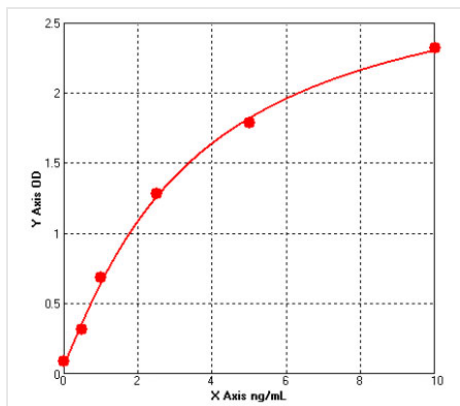
### PRODUCT SYNONYMS

Arrestin beta 2; Human Arrestin beta 2 ELISA Kit; Human Arrestin b 2 ELISA Kit; ARRbeta2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                                                                |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of ARRbeta2. No significant cross-reactivity or interference between ARRbeta2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ARRbeta2 and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive or Sandwich                                                                                                                                                                                                                                                                                                                                                                 |
| 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

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ARRBeta2 elisa kit | <p>Principle of the Assay: ARRBeta2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ARRBeta2 antibody and an ARRBeta2-HRP conjugate. The assay sample and buffer are incubated together with ARRBeta2-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 ARRBeta2 concentration since ARRBeta2 from samples and ARRBeta2-HRP conjugate compete for the anti-ARRBeta2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ARRBeta2 from the sample, fewer sites are left to bind ARRBeta2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ARRBeta2 concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This ARRBeta2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ARRBeta2. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for ARRBeta2 elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

NCBI AND UNIPROT INFORMATION

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| NCBI GI #                        | 154147682                                     |
| NCBI GeneID                      | 100101741                                     |
| NCBI Accession #                 | NP_001093721.1                                |
| NCBI GenBank Nucleotide #        | NM_001100251.1                                |
| NCBI Official Full Name          | arrestin, beta 2                              |
| NCBI Official Synonym Full Names | arrestin, beta 2                              |
| NCBI Official Symbol             | arrb2                                         |
| NCBI Official Synonym Symbols    | arb2; arr2; barr2; arrestin; betaarr2         |
| NCBI Protein Information         | arrestin, beta 2; arrestin 2; beta-Arrestin 2 |

**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.