

Human Arrestin beta 1 ELISA Kit | ARRb1 elisa kit

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CATALOG #
AAA16280

REACTIVITY
Human

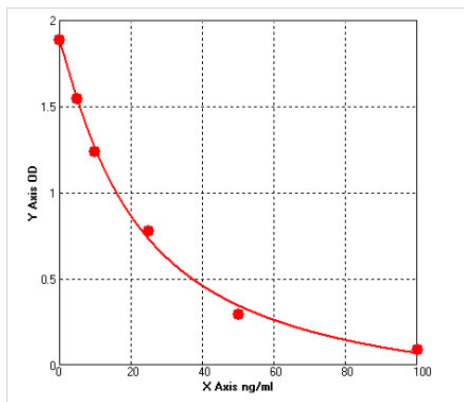
PRODUCT SYNONYMS

Arrestin beta 1; Human Arrestin beta 1 ELISA Kit; Human Arrestin b 1 ELISA Kit; ARRb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ARRbeta1. No significant cross-reactivity or interference between ARRbeta1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ARRbeta1 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	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ARRB1 elisa kit	Principle of the Assay: ARRBeta1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ARRbeta1 antibody and an ARRBeta1-HRP conjugate. The assay sample and buffer are incubated together with ARRBeta1-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 ARRBeta1 concentration since ARRBeta1 from samples and ARRBeta1-HRP conjugate compete for the anti-ARRbeta1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ARRBeta1 from the sample, fewer sites are left to bind ARRBeta1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ARRBeta1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ARRBeta1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ARRBeta1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for ARRB1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	209944101
NCBI GeneID	408
Molecular Weight	46,309 Da
NCBI Official Full Name	arrestin beta 1 transcript variant 2
NCBI Official Synonym Full Names	arrestin, beta 1
NCBI Official Symbol	ARRB1
NCBI Official Synonym Symbols	ARB1; ARR1
NCBI Protein Information	beta-arrestin-1; arrestin 2
UniProt Protein Name	Beta-arrestin-1
UniProt Gene Name	ARRB1
UniProt Synonym Gene Names	ARR1
UniProt Entry Name	ARRB1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/arrb1-human-elisa-kits/arrestin-beta-1/16280>