

Rat Beta-2 adrenergic receptor (ADRB2) ELISA Kit | ADRB2 elisa kit

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CATALOG #
AAA245061

REACTIVITY
Rat

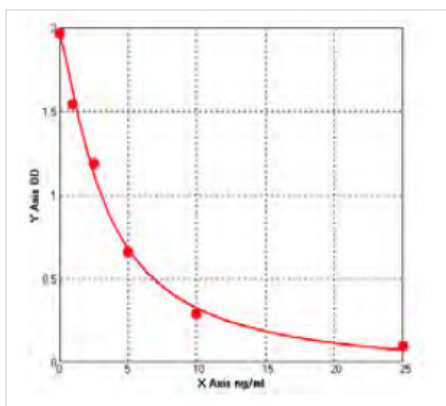
PRODUCT SYNONYMS

Beta-2 adrenergic receptor (ADRB2); Rat Beta-2 adrenergic receptor (ADRB2) ELISA Kit; ADRB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ADRbeta2. No significant cross-reactivity or interference between ADRbeta2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADRbeta2 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

Related Product Information for ADRB2 elisa kit	Principle of the Assay: ADRbeta2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADRBeta2 antibody and an ADRbeta2-HRP conjugate. The assay sample and buffer are incubated together with ADRbeta2-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 ADRbeta2 concentration since ADRbeta2 from samples and ADRbeta2-HRP conjugate compete for the anti-ADRBeta2 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADRbeta2 from the sample, fewer sites are left to bind ADRbeta2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADRbeta2 concentration in each sample is interpolated from this standard curve. Intended Uses: This ADRbeta2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ADRbeta2. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ADRB2 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501969
NCBI GeneID	154
NCBI Accession #	NP_000015.1
NCBI GenBank Nucleotide #	NM_000024.5
Molecular Weight	46,459 Da
NCBI Official Full Name	beta-2 adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor beta 2, surface
NCBI Official Symbol	ADRB2
NCBI Official Synonym Symbols	BAR; B2AR; ADRBR; ADRB2R; BETA2AR
NCBI Protein Information	beta-2 adrenergic receptor; beta-2 adrenoceptor; beta-2 adrenoreceptor; catecholamine receptor; adrenoceptor beta 2 surface; adrenergic, beta-2-, receptor, surface
UniProt Protein Name	Beta-2 adrenergic receptor
UniProt Gene Name	ADRB2
UniProt Synonym Gene Names	ADRB2R; B2AR; Beta-2 adrenoceptor
UniProt Entry Name	ADRB2_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/rat-elisa-kits/beta-2-adrenergic-receptor-adrb2/245061>