

Rat Beta-3 adrenergic receptor (ADRB3) ELISA Kit | ADRB3 elisa kit

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CATALOG #
AAA244572

REACTIVITY
Rat

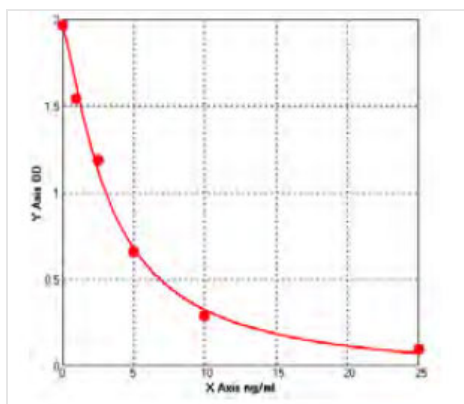
PRODUCT SYNONYMS

Beta-3 adrenergic receptor (ADRB3); Rat Beta-3 adrenergic receptor (ADRB3) ELISA Kit; ADRB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of ADRbeta3. No significant cross-reactivity or interference between ADRbeta3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADRbeta3 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 ADRB3 elisa kit	Principle of the Assay: ADRbeta3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADRBeta3 antibody and an ADRbeta3-HRP conjugate. The assay sample and buffer are incubated together with ADRbeta3-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 ADRbeta3 concentration since ADRbeta3 from samples and ADRbeta3-HRP conjugate compete for the anti-ADRBeta3 antibody binding site. Since the number of sites is limited, as more sites are occupied by ADRbeta3 from the sample, fewer sites are left to bind ADRbeta3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADRbeta3 concentration in each sample is interpolated from this standard curve. Intended Uses: This ADRbeta3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ADRbeta3. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4557267
NCBI GeneID	155
NCBI Accession #	NP_000016.1
NCBI GenBank Nucleotide #	NM_000025.2
Molecular Weight	43,519 Da
NCBI Official Full Name	beta-3 adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor beta 3
NCBI Official Symbol	ADRB3
NCBI Official Synonym Symbols	BETA3AR
NCBI Protein Information	beta-3 adrenergic receptor; beta-3 adrenoceptor; beta-3 adrenoreceptor; adrenergic, beta-3-, receptor
UniProt Protein Name	Beta-3 adrenergic receptor
UniProt Gene Name	ADRB3
UniProt Synonym Gene Names	ADRB3R; B3AR; Beta-3 adrenoceptor
UniProt Entry Name	ADRB3_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://www.aaabiotech.com/rat-elisa-kits/beta-3-adrenergic-receptor-adrb3/244572>