

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

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CATALOG #
AAA250052

REACTIVITY
Human

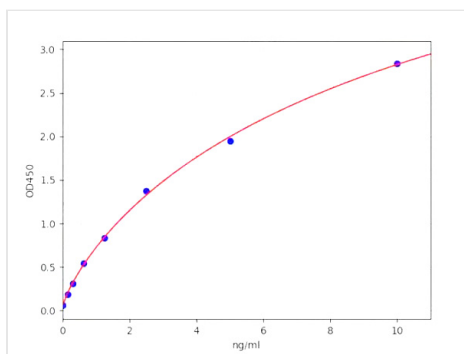
PRODUCT SYNONYMS

ADRB2 (Beta-2 adrenergic receptor); Human ADRB2 (Beta-2 adrenergic receptor) ELISA Kit; ADRB2; Beta-2 adrenergic receptor; Beta-2 adrenoceptor; ADRB2R; B2AR; ADRB2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ADRB2. No significant cross-reactivity or interference between ADRB2 and analogues was observed.
Assay Type	Sandwich
Samples	Serum, plasma, tissue homogenates and other biological fluids
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	CV<8%
Inter-assay Precision	CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ADRB2 elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4501969
NCBI GeneID	154
NCBI Accession #	NP_000015.1
NCBI GenBank Nucleotide #	NM_000024.5
UniProt Accession #	P07550; O14823; O14824; O14825; O14826; Q4JG18; Q53GA6; Q6GMT4; Q6P4D8; Q8NEQ9; B0LPE4; B2R7X2
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; 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.