

Guinea Pig Alpha-2B adrenergic receptor (ADRA2B) ELISA Kit | ADRA2B elisa kit

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CATALOG #
AAA246403

REACTIVITY
Guinea Pig

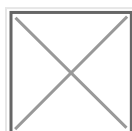
PRODUCT SYNONYMS

Alpha-2B adrenergic receptor (ADRA2B); Guinea pig Alpha-2B adrenergic receptor (ADRA2B) ELISA Kit; ADRA2B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	This assay has high sensitivity and excellent specificity for detection of ADRA2B. No significant cross-reactivity or interference between ADRA2B and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ADRA2B 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 ADRA2B elisa kit	Principle of the Assay: ADRA2B ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ADRA2B antibody and an ADRA2B-HRP conjugate. The assay sample and buffer are incubated together with ADRA2B-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 ADRA2B concentration since ADRA2B from samples and ADRA2B-HRP conjugate compete for the anti-ADRA2B antibody binding site. Since the number of sites is limited, as more sites are occupied by ADRA2B from the sample, fewer sites are left to bind ADRA2B-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ADRA2B concentration in each sample is interpolated from this standard curve. Intended Uses: This ADRA2B ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig ADRA2B. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ADRA2B elisa kit	Neuroscience

NCBI AND UNIPROT INFORMATION

NCBI GI #	33598960
NCBI GeneID	151
NCBI Accession #	NP_000673.2
NCBI GenBank Nucleotide #	NM_000682.6
Molecular Weight	49,566 Da
NCBI Official Full Name	alpha-2B adrenergic receptor
NCBI Official Synonym Full Names	adrenoceptor alpha 2B
NCBI Official Symbol	ADRA2B
NCBI Official Synonym Symbols	ADRA2L1; ADRARL1; ADRA2RL1; ALPHA2BAR; alpha-2BAR
NCBI Protein Information	alpha-2B adrenergic receptor; alpha-2B adrenoreceptor; G-protein coupled receptor; alpha-2-adrenergic receptor-like 1; ADRA2B adrenergic, alpha-2B-, receptor; alpha-2 adrenergic receptor subtype C2
UniProt Protein Name	Alpha-2B adrenergic receptor
UniProt Gene Name	ADRA2B
UniProt Synonym Gene Names	ADRA2L1; ADRA2RL1; Alpha-2B adrenoceptor; Alpha-2BAR
UniProt Entry Name	ADA2B_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/guinea-pig-pig-elisa-kits/alpha-2b-adrenergic-receptor-adra2b/246403>