

# Mouse Beta-1 adrenergic receptor (ADRB1) ELISA Kit

Catalog No: #EK7760



Package Size: #EK7760-1 48T #EK7760-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Mouse Beta-1 adrenergic receptor (ADRB1) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	ADRB1R; B1AR; BETA1AR; RHR; beta-1-adrenergic receptor
Accession No.	P34971
Uniprot	P34971
GeneID	11554;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.059 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate ADRB1 in samples. An antibody specific for ADRB1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyADRB1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ADRB1 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of ADRB1 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**The beta-1 adrenergic receptoris a beta-adrenergic receptor,The adrenergic receptors (or adrenoceptors) are a class of G protein-coupled receptors that are targets of the catecholamines, especially noradrenaline (norepinephrine) and adrenaline (epinephrine). Although dopamine is a catecholamine, its receptors are in a different category. Many cells possess these receptors, and the binding of an agonist will generally cause a sympathetic response (i.e. the fight-or-flight response). For instance, the heart rate will increase and the pupils will dilate, energy will be mobilized, and blood flow diverted from other non-essential organs to skeletal muscle.Beta-adrenergic receptors mediate the catecholamine- induced activation of adenylate cyclase through the action of G proteins.

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Note: This product is for in vitro research use only