

Rat Adrenocorticotrophic Hormone receptor ELISA Kit | ACTHR elisa kit

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CATALOG #
AAA84284

REACTIVITY
Rat

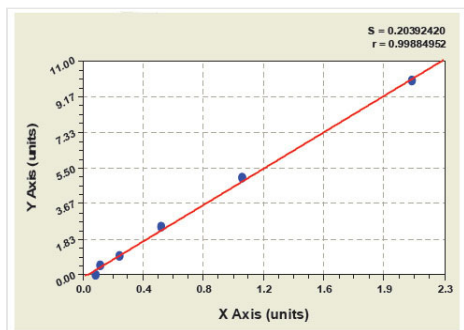
PRODUCT SYNONYMS

Adrenocorticotrophic Hormone receptor; Rat Adrenocorticotrophic Hormone receptor ELISA Kit; ACTHR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/ml
Intended Uses	This ACTHR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat ACTHR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTHR elisa kit

Principle of the Assay: ACTHR ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for ACTHR. Standards or samples are then added to the microtiter plate wells and ACTHR if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of ACTHR present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for ACTHR are added to each well to "sandwich" the ACTHR immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain ACTHR and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTHR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4505127
NCBI GeneID	4158
NCBI Accession #	NP_000520.1
NCBI GenBank Nucleotide #	NM_000529.2
Molecular Weight	33,927 Da
NCBI Official Full Name	adrenocorticotrophic hormone receptor
NCBI Official Synonym Full Names	melanocortin 2 receptor (adrenocorticotrophic hormone)
NCBI Official Symbol	MC2R
NCBI Official Synonym Symbols	ACTHR
NCBI Protein Information	adrenocorticotrophic hormone receptor; MC2 receptor; ACTH receptor; corticotropin receptor; adrenocorticotropin receptor
UniProt Protein Name	Adrenocorticotrophic hormone receptor
UniProt Gene Name	MC2R
UniProt Synonym Gene Names	ACTHR; ACTH receptor; ACTH-R; MC2-R
UniProt Entry Name	ACTHR_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/acthr-rat-elisa-kits/adrenocorticotrophic-hormone-receptor/84284>