

Mouse Adrenocorticotrophic Hormone receptor ELISA Kit | ACTHR elisa kit

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CATALOG # AAA82580	REACTIVITY Mouse
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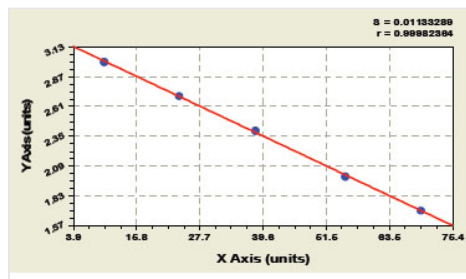
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This ACTHR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse 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 competitive enzyme immunoassay technique utilizing a monoclonal anti-ACTHR antibody and an ACTHR-HRP conjugate. The assay sample and buffer are incubated together with ACTHR-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 ACTHR concentration since ACTHR from samples and ACTHR-HRP conjugate compete for the anti-ACTHR antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTHR from the sample, fewer sites are left to bind ACTHR-HRP conjugate. 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.
Product Categories/Family for ACTHR elisa kit	Signal Transduction

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-mouse-elisa-kits/adrenocorticotrophic-hormone-receptor/82580>