

Mouse Acetylcholine Receptor ELISA Kit | AChR elisa kit

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CATALOG #
AAA97521

REACTIVITY
Mouse

PRODUCT SYNONYMS

Acetylcholine Receptor; Mouse Acetylcholine Receptor ELISA Kit; AChR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This AchR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse AchR. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for AChR elisa kit

Principle of the assay: AchR ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-AchR antibody and an AchR-HRP conjugate. The assay sample and buffer are incubated together with AchR-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 AchR concentration since AchR from samples and AchR-HRP conjugate compete for the anti-AchR antibody binding site. Since the number of sites is limited, as more sites are occupied by AchR from the sample, fewer sites are left to bind AchR-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AchR concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	441144
Molecular Weight	1,282 Da
NCBI Official Full Name	acetylcholine receptor, partial
UniProt Protein Name	Acetylcholine receptor
UniProt Entry Name	Q13695_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.