

Mouse Muscarinic acetylcholine receptor M3 ELISA Kit | M-AChr elisa kit

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CATALOG #
AAA84058

REACTIVITY
Mouse

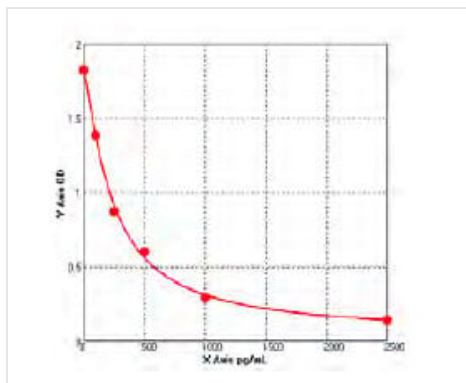
PRODUCT SYNONYMS

Muscarinic acetylcholine receptor M3; Mouse Muscarinic acetylcholine receptor M3 ELISA Kit; M-AChr elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of AchRM3. No significant cross-reactivity or interference between AchRM3 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AchRM3 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	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for M-AChr elisa kit	Principle of the Assay: AchRM3 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AchRM3 antibody and an AchRM3-HRP conjugate. The assay sample and buffer are incubated together with AchRM3-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 AchRM3 concentration since AchRM3 from samples and AchRM3-HRP conjugate compete for the anti-AchRM3 antibody binding site. Since the number of sites is limited, as more sites are occupied by AchRM3 from the sample, fewer sites are left to bind AchRM3-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AchRM3 concentration in each sample is interpolated from this standard curve. Intended Uses: This AchRM3 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse AchRM3. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for M-AChr elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502819
NCBI GeneID	1131
NCBI Accession #	NP_000731.1
NCBI GenBank Nucleotide #	NM_000740.2
Molecular Weight	66,128 Da
NCBI Official Full Name	muscarinic acetylcholine receptor M3
NCBI Official Synonym Full Names	cholinergic receptor, muscarinic 3
NCBI Official Symbol	CHRM3
NCBI Official Synonym Symbols	HM3; EGBRS
NCBI Protein Information	muscarinic acetylcholine receptor M3; m3 muscarinic receptor; acetylcholine receptor, muscarinic 3
UniProt Protein Name	Muscarinic acetylcholine receptor M3
UniProt Gene Name	CHRM3
UniProt Entry Name	ACM3_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/m-achr-mouse-elisa-kits/muscarinic-acetylcholine-receptor-m3/84058>