

Porcine Muscarinic acetylcholine receptor ELISA Kit | M-AChR elisa kit

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CATALOG #
AAA94786

REACTIVITY
Porcine

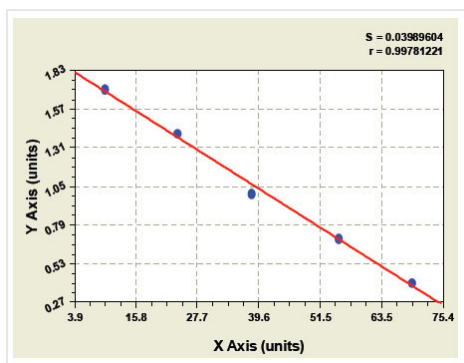
PRODUCT SYNONYMS

Muscarinic acetylcholine receptor; Porcine Muscarinic acetylcholine receptor ELISA Kit; M-AChR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/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

Intended Uses: This M-AChR ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine M-AChR. This ELISA kit for research use only!

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

Product Categories/Family for M-AChR elisa kit

Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	37622910
NCBI GeneID	1128
NCBI Accession #	NP_000729.2
NCBI GenBank Nucleotide #	NM_000738.2
Molecular Weight	51,421 Da
NCBI Official Full Name	muscarinic acetylcholine receptor M1
NCBI Official Synonym Full Names	cholinergic receptor, muscarinic 1
NCBI Official Symbol	CHRM1
NCBI Official Synonym Symbols	M1; HM1; M1R
NCBI Protein Information	muscarinic acetylcholine receptor M1; acetylcholine receptor, muscarinic 1
UniProt Protein Name	Muscarinic acetylcholine receptor M1
UniProt Gene Name	CHRM1
UniProt Entry Name	ACM1_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.

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Online datasheet: <https://stage.aaabiotech.com/m-achr-porcine-elisa-kits/muscarinic-acetylcholine-receptor/94786>