

Human Alpha-methylacyl-CoA racemase ELISA Kit | AMACR elisa kit

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CATALOG #
AAA101448

REACTIVITY
Human

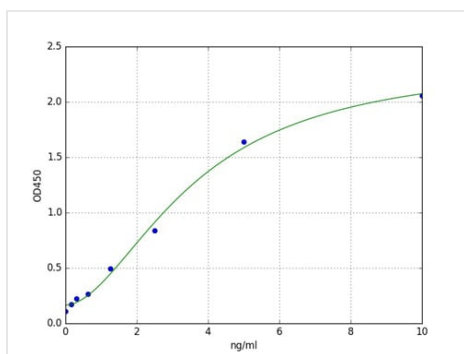
PRODUCT SYNONYMS

Alpha-methylacyl-CoA racemase; Human Alpha-methylacyl-CoA racemase ELISA Kit; AMACR/AMACRD/CBAS4/RACE/RM/2-methylacyl-CoA racemase/alpha-methylacyl-CoA racemase/; AMACR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Sequence Length	382
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Typical Data & Standard Curve

Results of a typical standard run of a AMACR ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	1.563	3.125	6.25	12.5	25	50	100
Y	OD450	0.033	0.079	0.098	0.153	0.292	0.376	1.261	2.033

Standard Curve (Sample)

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AMACR elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-AMACR antibody was pre-coated onto 96-well plates. And the biotin conjugated anti- AMACR antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the AMACR amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of AMACR can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	401709963
NCBI GeneID	25284
NCBI Accession #	NP_036948.2
NCBI GenBank Nucleotide #	NM_012816.2
Molecular Weight	41,828 Da
NCBI Official Full Name	alpha-methylacyl-CoA racemase
NCBI Official Synonym Full Names	alpha-methylacyl-CoA racemase
NCBI Official Symbol	Amacr
NCBI Official Synonym Symbols	Da1-8; Marc1
NCBI Protein Information	alpha-methylacyl-CoA racemase
UniProt Protein Name	Alpha-methylacyl-CoA racemase
UniProt Gene Name	Amacr
UniProt Entry Name	AMACR_RAT

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/amacr-human-elisa-kits/alpha-methylacyl-coa-racemase/101448>