Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS) ELISA Kit | MARCKS elisa kit

Rat Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS) ELISA Kit

CATALOG #	REACTIVITY
AAA137371	**Rat**

PRODUCT SYNONYMS

Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS); Rat Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS) ELISA Kit; 80K-L; MACS; MRACKS; PKCSL; PRKCSL; Protein kinase C substrate; 80 kDa protein; light chain; MARCKS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS). No significant cross-reactivity or interference between Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS) and analogues was observed.
Sequence Length	332
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids.
Detection Range	1.56-100ng/mL
Sensitivity	0.54ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for MARCKS elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Myristoylated Alanine Rich Protein Kinase C Substrate (MARCKS) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for MARCKS elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	57870608
NCBI GeneID	4082
UniProt Accession #	P29966; Q2LA83; Q5TDB7; E1P560
Molecular Weight	31,555 Da
NCBI Official Full Name	Myristoylated alanine-rich protein kinase C substrate
NCBI Official Synonym Full Names	myristoylated alanine-rich protein kinase C substrate
NCBI Official Symbol	MARCKS
NCBI Official Synonym Symbols	MACS; 80K-L; PKCSL; PRKCSL
NCBI Protein Information	myristoylated alanine-rich C-kinase substrate
UniProt Protein Name	Myristoylated alanine-rich C-kinase substrate
UniProt Gene Name	**MARCKS**
UniProt Synonym Gene Names	MACS; PRKCSL; MARCKS; 80K-L protein; PKCSL
UniProt Entry Name	MARCS_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/rat-elisa-kits/myristoylated-alanine-rich-protein-kinase-c-substrate-marcks/137371