

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

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CATALOG # AAA331871	REACTIVITY Human
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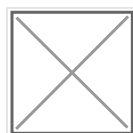
PRODUCT SYNONYMS

Myristoylated Alanine-Rich C-Kinase Substrate (MARCKS); Human Myristoylated Alanine-Rich C-Kinase Substrate (MARCKS) ELISA Kit; MARCKS; 80K-L; FLJ14368; FLJ90045; MACS; PKCSL; PRKCSL; myristoylated alanine-rich protein kinase C substrate (MARCKS; 80K-L); phosphomyristin; MARCKS elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Myristoylated alanine-rich C-kinase substrate (MARCKS) ELISA Kit has high sensitivity and excellent specificity for detection of Human MARCKS. No significant cross-reactivity or interference between Human MARCKS and analogues was observed.
Sequence Length	332
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Myristoylated alanine-rich C-kinase substrate (MARCKS) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for MARCKS elisa kit	Description: This Human Myristoylated alanine-rich C-kinase substrate (MARCKS) ELISA Kit employs a two-site sandwich ELISA to quantitate MARCKS in samples. An antibody specific for MARCKS has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any MARCKS present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for MARCKS is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of MARCKS bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: MARCKS is a substrate for protein kinase C. It is localized to the plasma membrane and is an actin filament crosslinking protein. Phosphorylation by protein kinase C or binding to calcium-calmodulin inhibits its association with actin and with the plasma membrane, leading to its presence in the cytoplasm. MARCKS is a filamentous actin crosslinking protein, with activity that is inhibited by PKC-mediated phosphorylation and by binding to calcium-calmodulin. MARCKS may be a regulated crossbridge between actin and the plasma membrane, and modulation of the actin crosslinking activity of the MARCKS protein by calmodulin and phosphorylation represents a potential convergence of the calcium-calmodulin and protein kinase C signal transduction pathways in the regulation of the actin cytoskeleton.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	153070260
NCBI GeneID	4082
NCBI Accession #	NP_002347.5
NCBI GenBank Nucleotide #	NP_002347.5
UniProt Accession #	P29966
NCBI Official Full Name	myristoylated alanine-rich C-kinase 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.