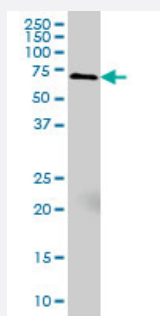


# MARCKS monoclonal antibody (M06), clone 2C2

Catalog # H00004082-M06

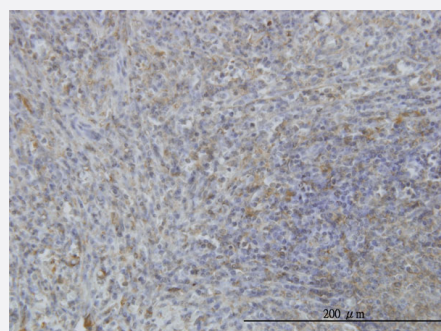
Size 50 ug

## Applications



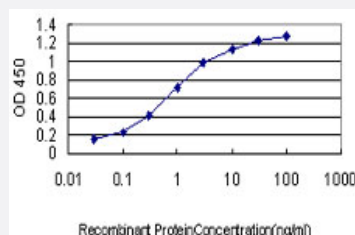
### Western Blot (Cell lysate)

MARCKS monoclonal antibody (M06), clone 2C2. Western Blot analysis of MARCKS expression in Raw 264.7. (The predicted M.W. of MARCKS is 29 to 39 KDa, but it seems the actual M.W. *in vivo* is between 68 to 90 KDa in different species. <http://www.pnas.org/content/88/6/2505.full.pdf> , <http://www.ncbi.nlm.nih.gov/entrez/dispomim.cgi?id=177061>)



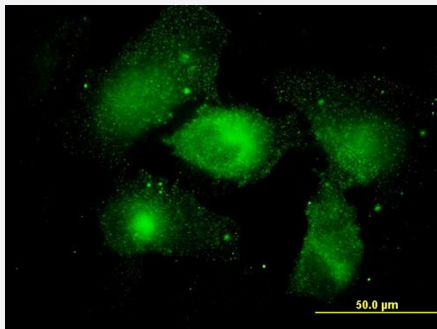
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MARCKS on formalin-fixed paraffin-embedded human spleen. [antibody concentration 3 ug/ml]



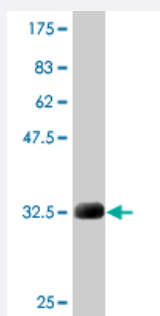
### Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MARCKS is approximately 0.03ng/ml as a capture antibody.



## Immunofluorescence

Immunofluorescence of monoclonal antibody to MARCKS on HeLa cell.  
[antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (32.78 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a partial recombinant MARCKS.
<b>Immunogen</b>	MARCKS (NP_002347, 2 a.a. ~ 65 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	GAQFSKTAAKGEAAAERPGEAAVASSPSKANGQENGHVKVNGDASPAAAESGAKEELQANGSAP
<b>Host</b>	Mouse
<b>Reactivity</b>	Human, Mouse
<b>Isotype</b>	IgG1 Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (32.78 KDa) .
<b>Storage Buffer</b>	In 1x PBS, pH 7.4
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Cell lysate)

MARCKS monoclonal antibody (M06), clone 2C2. Western Blot analysis of MARCKS expression in Raw 264.7. (The predicted M.W. of MARCKS is 29 to 39 KDa, but it seems the actual M.W. *in vivo* is between 68 to 90 KDa in different species. <http://www.pnas.org/content/88/6/2505.full.pdf> , <http://www.ncbi.nlm.nih.gov/entrez/dispmim.cgi?id=177061>)

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to MARCKS on formalin-fixed paraffin-embedded human spleen. [antibody concentration 3 ug/ml]

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged MARCKS is approximately 0.03ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to MARCKS on HeLa cell. [antibody concentration 10 ug/ml]

## Gene Info — MARCKS

Entrez GeneID [4082](#)

GeneBank Accession# [NM\\_002356](#)

Protein Accession# [NP\\_002347](#)

Gene Name MARCKS

Gene Alias 80K-L, FLJ14368, FLJ90045, MACS, PKCSL, PRKCSL

Gene Description myristoylated alanine-rich protein kinase C substrate

Omim ID [177061](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene 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. The protein is thought to be involved in cell motility, phagocytosis, membrane trafficking and mitogenesis. [provided by RefSeq]

**Other Designations**

OTTHUMP00000017045|myristoylated alanine-rich protein kinase C substrate (MARCKS, 80K-L)||phosphomyristin

## Pathway

- [Fc gamma R-mediated phagocytosis](#)