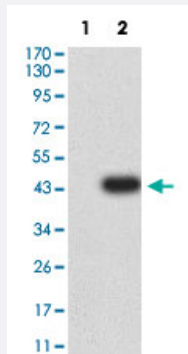


# CD46 monoclonal antibody, clone 1A5A5

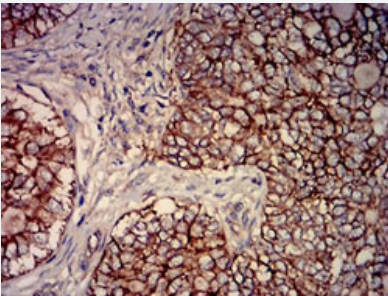
Catalog # MAB21319 Size 100 ug

## Applications



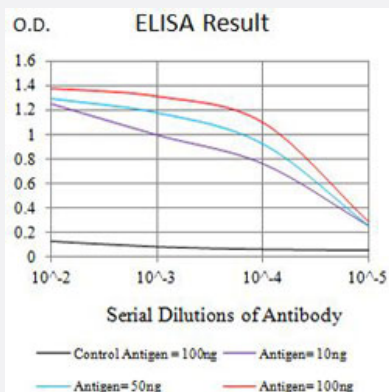
### Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: CD46-hlgGfc transfected HEK293 cell lysates with CD46 monoclonal antibody, clone 1A5A5 (Cat # MAB21319).



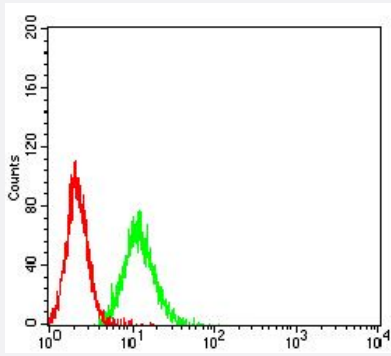
### Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cervix cancer with CD46 monoclonal antibody, clone 1A5A5 (Cat # MAB21319).



### Enzyme-linked Immunoabsorbent Assay

ELISA analysis with CD46 monoclonal antibody, clone 1A5A5 (Cat # MAB21319).



## Flow Cytometry

Flow cytometric analysis of K562 cells with CD46 monoclonal antibody, clone 1A5A5 (Cat # MAB21319) (Green). Red: Negative Control.

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against partial recombinant human CD46.
<b>Immunogen</b>	Recombinant protein corresponding to amino acids 35-179 of human CD46.
<b>Host</b>	Mouse
<b>Theoretical MW (kDa)</b>	43.7
<b>Reactivity</b>	Human
<b>Form</b>	Liquid
<b>Isotype</b>	IgG1
<b>Recommend Usage</b>	ELISA (1:10000) Flow Cytometry (1:200-1:400) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:200-1:1000) Western Blot (1:500-1:2000) The optimal working dilution should be determined by the end user.
<b>Storage Buffer</b>	In PBS (0.05% sodium azide).
<b>Storage Instruction</b>	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
<b>Note</b>	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

## Applications

- Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: CD46-hlgGfc transfected HEK293 cell lysates with CD46 monoclonal antibody, clone 1A5A5 (Cat # MAB21319).

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

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human cervix cancer with CD46 monoclonal antibody, clone 1A5A5 (Cat # MAB21319).

- Enzyme-linked Immunoabsorbent Assay

ELISA analysis with CD46 monoclonal antibody, clone 1A5A5 (Cat # MAB21319).

- Flow Cytometry

Flow cytometric analysis of K562 cells with CD46 monoclonal antibody, clone 1A5A5 (Cat # MAB21319) (Green). Red: Negative Control.

## Gene Info — CD46

Entrez GeneID [4179](#)

Protein Accession# [P15529](#)

Gene Name CD46

Gene Alias MCP, MGC26544, MIC10, TLX, TRA2.10

Gene Description CD46 molecule, complement regulatory protein

Omim ID [120920 235400](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

The protein encoded by this gene is a type I membrane protein and is a regulatory part of the complement system. The encoded protein has cofactor activity for inactivation of complement components C3b and C4b by serum factor I, which protects the host cell from damage by complement. In addition, the encoded protein can act as a receptor for the Edmonston strain of measles virus, human herpesvirus-6, and type IV pili of pathogenic Neisseria. Finally, the protein encoded by this gene may be involved in the fusion of the spermatozoa with the oocyte during fertilization. This gene is found in a cluster on chromosome 1q32 with other genes encoding structural components of the complement system. At least fourteen different transcript variants encoding fourteen different isoforms have been found for this gene. [provided by RefSeq]

**Other Designations**

CD46 antigen, complement regulatory protein|OTTHUMP00000034577|OTTHUMP00000034622|OTTHUMP00000034623|OTTHUMP00000034624|OTTHUMP00000034625|OTTHUMP00000034626|OTTHUMP00000034706|antigen identified by monoclonal antibody TRA-2-10|complement membrane cofactor

## Pathway

- [Complement and coagulation cascades](#)

## Disease

- [Abortion](#)
- [Birth Weight](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Hemolytic-Uremic Syndrome](#)
- [Leukemia](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Recurrence](#)