10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-CD46 (Extracellular region) Antibody
Catalog # AN1695

Specification

Anti-CD46 (Extracellular region) Antibody - Product Information

Application	**WB, IHC**
Primary Accession	P15529
Host	**Mouse**
Clonality	**Mouse Monoclonal**
Isotype	**IgG2b**
Calculated MW	**43747**

Anti-CD46 (Extracellular region) Antibody - Additional Information

Gene ID **4179**

Other Names
Membrane cofactor protein, TLX, Trophoblast leukocyte common antigen, CD46, MCP, MIC10

Target/Specificity
CD46 is a complement regulatory protein that is also called membrane cofactor protein. This protein is a type 1 membrane protein that plays an important inhibitory role in the complement system. CD46 exhibits a cofactor activity that promotes inactivation of C3b and C4b by serum factor 1, thereby protecting host cells from complement-dependent cytotoxicity. CD46 can also function as a receptor for selected bacteria and viruses, and is reportedly required for proper fusion of spermatozoa to the oocyte membrane during fertilization. CD46 is overexpressed in medulloblastoma tumors, and CD46 expression has been linked with poor prognosis in breast cancer. The upregulation of CD46 may protect cancer cells from complement-dependent cytotoxicity to facilitate cancer cell immune evasion.

Dilution
WB~~1:1000
IHC~~1:100~500

Format
Protein G Purified

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
Anti-CD46 (Extracellular region) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping
Blue Ice

Anti-CD46 (Extracellular region) Antibody - Protocols

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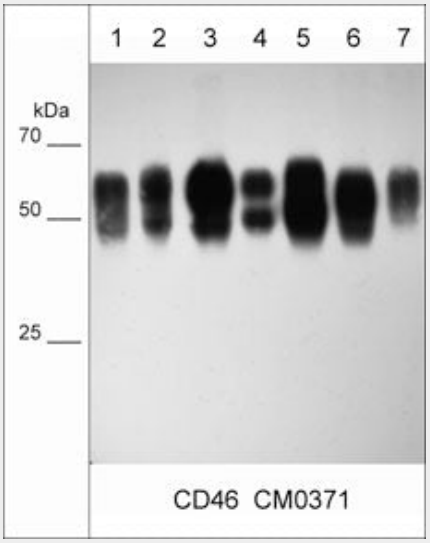
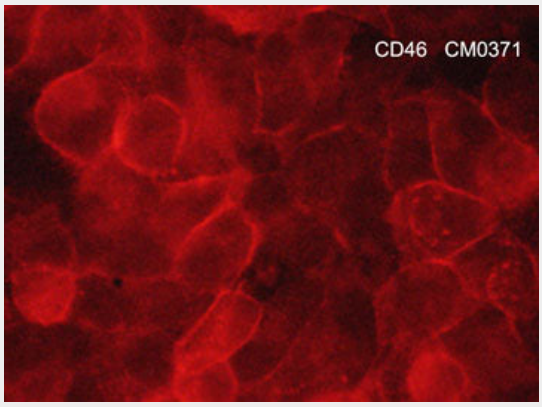
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CD46 (Extracellular region) Antibody - Images



Western blot of native lysates from NCI-H2052 mesothelial cells (lane 1), SK-MES-1 squamous carcinoma (lane 2), MDA-MB-231 breast carcinoma (lane 3), MeWo melanoma (lane 4), A431 skin adenocarcinoma (lane 5), LNCaP prostate cancer cells (lane 6), and MCF7 breast cancer cells (lane 7). The blot was probed with mouse monoclonal anti-CD46 (CM0371) at 1:1000.



Immunocytochemical labeling of CD46 in aldehyde fixed human NCIH1915 lung carcinoma cells. The cells were labeled with mouse monoclonal anti-CD46 (CM0371). The antibody was detected using goat anti-mouse Ig:DyLight® 594.

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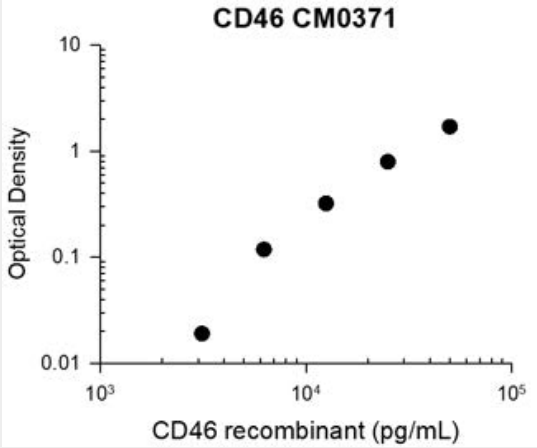

Representative Standard Curve using mouse monoclonal anti-CD46 (CM0371) for ELISA capture of human recombinant CD46 extracellular region with a His-tag. Captured protein was detected by suitable anti-His-tag antibody followed by appropriate secondary antibody HRP conjugate.

Anti-CD46 (Extracellular region) Antibody - Background

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