# antibodies - online.com







# anti-CD46 antibody (AA 251-355)





#### Overview

Quantity:	100 μL
Target:	CD46
Binding Specificity:	AA 251-355
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This CD46 antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunohistochemistry (Paraffinembedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

#### **Product Details**

Immunogen:	KLH conjugated synthetic peptide derived from Mouse CD46
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Purification:	Purified by Protein A.

## **Target Details**

Target:	CD46
Alternative Name:	CD46/MCP (CD46 Products)

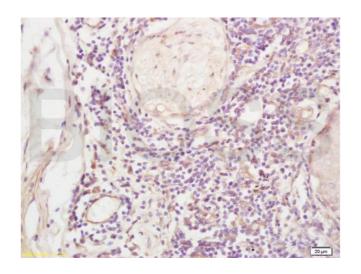
## **Target Details**

Background:	Synonyms: MCP, TLX, AHUS2, MIC10, TRA2.10, Membrane cofactor protein, Trophoblast
	leukocyte common antigen, CD46
	Background: Acts as a cofactor for complement factor I, a serine protease which protects
	autologous cells against complement-mediated injury by cleaving C3b and C4b deposited on
	host tissue. May be involved in the fusion of the spermatozoa with the oocyte during
	fertilization. Also acts as a costimulatory factor for T-cells which induces the differentiation of
	CD4+ into T-regulatory 1 cells. T-regulatory 1 cells suppress immune responses by secreting
	interleukin-10, and therefore are thought to prevent autoimmunity. A number of viral and
	bacterial pathogens seem to exploit this property and directly induce an immunosuppressive
	phenotype in T-cells by binding to CD46.
Gene ID:	4179
UniProt:	P15529
Pathways:	Regulation of Actin Filament Polymerization
Application Details	
Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	FCM 1:20-100
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be

#### Handling

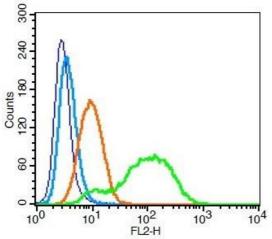
	handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

#### **Images**



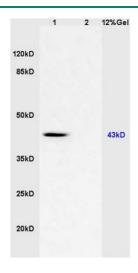
#### **Immunohistochemistry**

**Image 1.** Formalin-fixed and paraffin embedded human breast carcinoma labeled with Rabbit Anti CD46/MCP Polyclonal Antibody, Unconjugated (ABIN687832) at 1:200 followed by conjugation to the secondary antibody and DAB staining



#### **Flow Cytometry**

**Image 2.** Human U937 cells probed with CD46/MCP Polyclonal Antibody, Unconjugated (at 1:100 for 30 minutes followed by incubation with a PE Conjugated secondary (green) for 30 minutes compared to control cells (blue), secondary only (light blue) and isotype control (orange).



#### **SDS-PAGE**

**Image 3.** L1 mouse brain lysates L2 human colon carcinoma lysates probed with Anti CD46/MCP Polyclonal Antibody, Unconjugated (ABIN687832) at 1:200 in 4 °C. Followed by conjugation to secondary antibody at 1:3000 90min in 37 °C. Predicted band 43kD. Observed band size: 43kD

Please check the product details page for more images. Overall 4 images are available for ABIN687832.