



# Anti-CD46 monoclonal antibody, clone NN2 (DCABH-6930)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to CD46
<b>Antigen Description</b>	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.
<b>Immunogen</b>	Fusion protein corresponding to Rat CD46. Second and third SCR domains of CD46 fused to IgG-Fc. Database link: Q9Z0M4
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Rat
<b>Clone</b>	NN2
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ICC/IF, IHC-Fr
<b>Positive Control</b>	rat testis lysate.
<b>Format</b>	Liquid
<b>Size</b>	100 µg

<b>Buffer</b>	Preservative: 0.02% Sodium azide; Constituents: 99% PBS, 0.1% BSA
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<b>Storage</b>	Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Ship</b>	Shipped at 4°C.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Cd46 CD46 molecule, complement regulatory protein [ Rattus norvegicus ]</a>
<b>Official Symbol</b>	CD46
<b>Synonyms</b>	CD46; CD46 molecule, complement regulatory protein; membrane cofactor protein; CD46 antigen, complement regulatory protein; Mcp;
<b>Entrez Gene ID</b>	<a href="#">29333</a>
<b>Protein Refseq</b>	<a href="#">NP_062063</a>
<b>UniProt ID</b>	<a href="#">Q9Z0M4</a>
<b>Pathway</b>	Complement and Coagulation Cascades, organism-specific biosystem; Complement and coagulation cascades, organism-specific biosystem; Complement and coagulation cascades, conserved biosystem; Measles, organism-specific biosystem; Measles, conserved biosystem;
<b>Function</b>	complement binding; Contributes_to endopeptidase activity; Contributes_to enzyme inhibitor activity;