



Anti-CD46 monoclonal antibody, clone NFN-369 (CABT-23575MB)

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

PRODUCT INFORMATION

Antigen Description

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. Mutations at this locus have been associated with susceptibility to hemolytic uremic syndrome. Alternatively spliced transcript variants encoding different isoforms have been described.

Mouse monoclonal antibody raised against native CD46.

Immunogen	Native purified CD46 from human T cell line HPB-ALL.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Bovine, Human
Clone	NFN-369
Conjugate	Unconjugated
Applications	WB,IP,Flow Cyt
Format	Liquid
Size	100 µg
Buffer	In TBS, pH 8.0 (15 mM sodium azide)

Preservative	15mM Sodium Azide
Storage	-20°C, avoid repeated freeze/thaw cycles

GENE INFORMATION

Gene Name	CD46 CD46 molecule, complement regulatory protein [Homo sapiens]
Official Symbol	CD46
Synonyms	CD46 molecule, complement regulatory protein; AHUS2; TLX; OTTHUMP00000034707; MCP; OTTHUMP00000216787; MGC26544; complement membrane cofactor protein; TRA2.10; measles virus receptor; antigen identified by monoclonal antibody TRA-2-10; membrane cofactor protein; CD46 antigen, complement regulatory protein; trophoblast leucocyte common antigen; membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen); trophoblast-lymphocyte cross-reactive antigen; Trophoblast leukocyte common antigen; CD46 antigen; MIC10; OTTHUMP00000034577; OTTHUMP00000034622; OTTHUMP00000034623; OTTHUMP00000034624; OTTHUMP00000034625; OTTHUMP00000034626; OTTHUMP00000034706; OTTHUMP00000216786
Entrez Gene ID	4179
Protein Refseq	NP_002380
UniProt ID	P15529
Chromosome Location	1q32
Pathway	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
Function	protein binding; receptor activity