

Human CD46 Knockdown Cell Lysate

Cat. No. CD46-475HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated CD46 Knockdown HT-1080 Cell Lysate
Species	Human
Source	HT-1080
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.
Form	Cell-Tissue Lysis buffer
Molecular Mass	44 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HT-1080 cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.

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Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HT-1080 cell lysate 1 vial of 100 µg CD46 KD HT-1080 cell lysate
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Complement and coagulation cascades
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	CD46 CD46 molecule, complement regulatory protein [Homo sapiens (human)]
Official Symbol	CD46
Synonyms	CD46; CD46 molecule, complement regulatory protein; antigen identified by monoclonal TRA 2 10, CD46 antigen, complement regulatory protein, MCP, membrane cofactor protein (CD46, trophoblast lymphocyte cross reactive antigen), MIC10; membrane cofactor protein; MGC26544; TLX; TRA2.10; measles virus receptor; complement membrane cofactor protein; trophoblast leucocyte common antigen; trophoblast leukocyte common antigen; CD46 antigen, complement regulatory protein; trophoblast-lymphocyte cross-reactive antigen; antigen identified by monoclonal TRA-2-10; membrane cofactor protein (CD46, trophoblast-lymphocyte cross-reactive antigen); MCP; AHUS2; MIC10;
Gene ID	4179

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mRNA Refseq	NM_002389
Protein Refseq	NP_002380
MIM	120920
UniProt ID	P15529

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