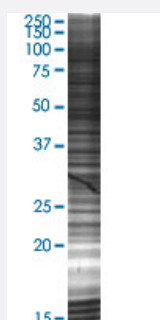


CD59 (1-129) 293T Cell Transient Overexpression Lysate(Denatured)

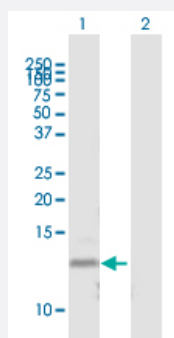
Catalog # H00000966-T07 Size 100 uL

Applications



SDS-PAGE Gel

CD59 transfected lysate.



Western Blot

Lane 1: CD59 transfected lysate (14.19 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CD59 full-length
Host	Human
Theoretical MW (kDa)	14.19

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CD59 antibody ([H00000966-B05P](#)) by Western Blots.
SDS-PAGE Gel
CD59 transfected lysate.
Western Blot
Lane 1: CD59 transfected lysate (14.19 KDa)
Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — CD59

Entrez GeneID

[966](#)

GeneBank Accession#

[BC001506](#)

Protein Accession#

[AAH01506](#)

Gene Name

CD59

Gene Alias

16.3A5, 1F5, EJ16, EJ30, EL32, FLJ38134, FLJ92039, G344, HRF-20, HRF20, MAC-IP, MAC1F, MEM43, MGC2354, MIC11, MIN1, MIN2, MIN3, MIRL, MSK21, p18-20

Gene Description

CD59 molecule, complement regulatory protein

Omim ID

[107271](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes a cell surface glycoprotein that regulates complement-mediated cell lysis, and it is involved in lymphocyte signal transduction. This protein is a potent inhibitor of the complement membrane attack complex, whereby it binds complement C8 and/or C9 during the assembly of this complex, thereby inhibiting the incorporation of multiple copies of C9 into the complex, which is necessary for osmolytic pore formation. This protein also plays a role in signal transduction pathways in the activation of T cells. Mutations in this gene cause CD59 deficiency, a disease resulting in hemolytic anemia and thrombosis, and which causes cerebral infarction. Multiple alternatively spliced transcript variants, which encode the same protein, have been identified for this gene. [provided by RefSeq]

Other Designations

20 kDa homologous restriction factor|CD59 antigen|CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)|CD59 glycoprotein|Ly-6-like protein|T cell-activating protein|human leukocyte antigen MIC11|lymphocyte a

Pathway

- [Complement and coagulation cascades](#)
- [Hematopoietic cell lineage](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Lymphoma](#)
- [Macular Degeneration](#)