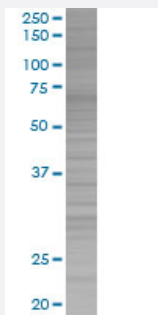


CD53 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000963-T01

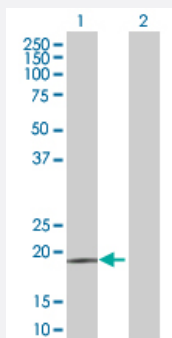
Size 100 uL

Applications



SDS-PAGE Gel

CD53 transfected lysate.



Western Blot

Lane 1: CD53 transfected lysate (24.3 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-CD53 full-length
Host	Human
Theoretical MW (kDa)	24.3
Interspecies Antigen Sequence	Mouse (83); Rat (81)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CD53 antibody ([H00000963-B01](#)) by Western Blots.
SDS-PAGE Gel
CD53 transfected lysate.
Western Blot
Lane 1: CD53 transfected lysate (24.3 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 — CD53

Entrez GeneID[963](#)**GeneBank Accession#**[NM_000560.3](#)**Protein Accession#**[-](#)**Gene Name**

CD53

Gene Alias

MOX44, TSPAN25

Gene Description

CD53 molecule

Omim ID[151525](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

The protein encoded by this gene is a member of the transmembrane 4 superfamily, also known as the tetraspanin family. Most of these members are cell-surface proteins that are characterized by the presence of four hydrophobic domains. The proteins mediate signal transduction events that play a role in the regulation of cell development, activation, growth and motility. This encoded protein is a cell surface glycoprotein that is known to complex with integrins. It contributes to the transduction of CD2-generated signals in T cells and natural killer cells and has been suggested to play a role in growth regulation. Familial deficiency of this gene has been linked to an immunodeficiency associated with recurrent infectious diseases caused by bacteria, fungi and viruses. Alternative splicing results in multiple transcript variants encoding the same protein. [provided by RefSeq]

Other Designations

CD53 antigen|CD53 glycoprotein|CD53 tetraspan antigen|OTTHUMP00000013686|OTTHUMP0000059505|antigen MOX44 identified by monoclonal antibody MRC-OX44|cell surface antigen|leukocyte surface antigen CD53|tetraspanin-25|transmembrane glycoprotein

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)