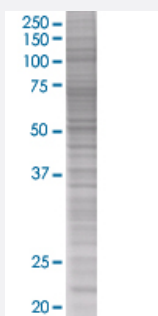


CD44 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000960-T01

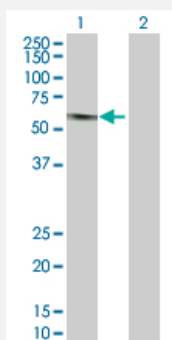
Size 100 uL

Applications



SDS-PAGE Gel

CD44 transfected lysate.



Western Blot

Lane 1: CD44 transfected lysate (39.4 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-CD44 full-length

Host Human

Theoretical MW (kDa) 39.4

Interspecies Antigen Sequence Mouse (77)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-CD44 antibody ([H00000960-B01](#)) by Western Blots.
SDS-PAGE Gel
CD44 transfected lysate.
Western Blot
Lane 1: CD44 transfected lysate (39.4 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 — CD44

Entrez GeneID

[960](#)

GeneBank Accession#

[NM_001001391.1](#)

Protein Accession#

-

Gene Name

CD44

Gene Alias

CDW44, CSPG8, ECMR-III, HCELL, IN, LHR, MC56, MDU2, MDU3, MGC10468, MIC4, MUTCH-I, Pgp1

Gene Description

CD44 molecule (Indian blood group)

Omim ID

[107269](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

The protein encoded by this gene is a cell-surface glycoprotein involved in cell-cell interactions, cell adhesion and migration. It is a receptor for hyaluronic acid (HA) and can also interact with other ligands, such as osteopontin, collagens, and matrix metalloproteinases (MMPs). This protein participates in a wide variety of cellular functions including lymphocyte activation, recirculation and homing, hematopoiesis, and tumor metastasis. Transcripts for this gene undergo complex alternative splicing that results in many functionally distinct isoforms, however, the full length nature of some of these variants has not been determined. Alternative splicing is the basis for the structural and functional diversity of this protein, and may be related to tumor metastasis. [provided by RefSeq]

Other Designations

CD44 antigen|CD44 antigen (homing function and Indian blood group system)|CDW44 antigen|G
P90 lymphocyte homing/adhesion receptor|Hermes antigen|antigen gp90 homing receptor|cell ad
hesion molecule|cell surface glycoprotein CD44|chondroitin sulfate proteogl

Pathway

- [ECM-receptor interaction](#)
- [Hematopoietic cell lineage](#)

Disease

- [Arthritis](#)
- [Breast Neoplasms](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Craniofacial Abnormalities](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Head and Neck Neoplasms](#)
- [Heart Defects](#)
- [Hepatitis B](#)
- [Kidney Failure](#)
- [Mouth Abnormalities](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Ovarian Neoplasms](#)