

Product Information

MemDX™ Membrane Protein Human CD44 (CD44 molecule (Indian blood group)) Expressed in *E.coli* with 10xHis and SUMO tag at the N-terminus, Myc tag at the C-terminus for Antibody Discovery, Partial (21-220aa)

Cat. No.: **MPX4686K**

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

This product is a 38.1 kDa Human CD44 membrane protein expressed in *E.coli*. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

CD44

Protein Length

Partial (21-220aa)

Protein Class

Cell adhesion

Molecular Weight

38.1 kDa

TMD

1

Sequence

QIDLNITCRFAGVFHVEKNGRYSISRTEAADLCKAFNSTLPTMAQMEKALSIGFETCRYGFIEGHVVIPRIHPNSICAANNTGVYILTSN

Product Description

Expression Systems

E.coli

Tag

10xHis and SUMO tag at the N-terminus, Myc tag at the C-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Purity

>85% as determined by SDS-PAGE

Buffer

Tris-based buffer, 50% glycerol

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

CD44

Full Name

CD44 molecule (Indian blood group)

Introduction

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.

Alternative Names

CD44; IN; LHR; MC56; MDU2; MDU3; MIC4; Pgp1; CDW44; CSPG8; HCELL; HUTCH-I; ECMR-III; CD44 antigen; GP90 lymphocyte homing/adhesion receptor; Hermes antigen; Indian blood group antigen; cell surface glycoprotein CD44; chondroitin sulfate proteoglycan 8; epican; extracellular matrix receptor III; hematopoietic cell E- and L-selectin ligand; heparan sulfate proteoglycan; homing function and Indian blood group system; hyaluronate receptor; phagocytic glycoprotein 1; soluble CD44; CD44 molecule (Indian blood group)

Gene ID

[960](#)

UniProt ID

[P16070](#)