

Product Information

Recombinant Anti-Human CD44 Antibody Fab Fragment

Cat. No.: **MOM-H09-F(P)**

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

Product Overview

Recombinant Humanized (from mouse) Antibody Fab Fragment specifically binds to Human CD44, expressed in E. coli

Antigen Description

The CD44 antigen is a cell-surface glycoprotein involved in cell–cell interactions, cell adhesion and migration. In humans, the CD44 antigen is encoded by the CD44 gene on Chromosome 11. CD44 has been referred to as HCAM (homing cell adhesion molecule), P

Target

CD44

Source

Humanized (from mouse)

Species Reactivity

Human

Type

Humanized (from mouse) Fab-IgG

Expression Host

E. coli

Purity

>95.0%. Determined by analysis by RP-HPLC & analysis by SDS-PAGE.

Purification

Purified by Nickel ion affinity chromatography

Applications

Suitable for use in FC, IP, ELISA, Neut, FuncS, IF and most other immunological methods.

Storage

Store at -20°C. Avoid multiple freeze/thaw cycles.

ANTIGEN GENE INFORMATION

Gene Name

[CD44 CD44 molecule \(Indian blood group\) \[Homo sapiens \]](#)

Official Symbol

CD44

Synonyms

CD44; CD44 molecule (Indian blood group); CD44 antigen (homing function and Indian blood group system) , MDU2, MDU3, MIC4; CD44 antigen; CD44R; chondroitin sulfate proteoglycan 8; CSPG8; HCELL; hematopoietic cell E and L selectin ligand; IN; MC56; Pgp1; epican; Hermes antigen; hyaluronate receptor; phagocytic glycoprotein 1; heparan sulfate proteoglycan; cell surface glycoprotein CD44; extracellular matrix receptor III; GP90 lymphocyte homing/adhesion receptor; hematopoietic cell E- and L-selectin ligand; homing function and Indian blood group system; LHR; MDU2; MDU3; MIC4; CDW44; HUTCH-I; ECMR-III; MGC10468;

Gene ID

[960](#)

mRNA Refseq

[NM_000610](#)

Protein Refseq

[NP_000601](#)

MIM

[107269](#)

UniProt ID

P16070

Chromosome Location

11p13

Pathway

Cytokine Signaling in Immune system, organism-specific biosystem; ECM-receptor interaction, organism-specific biosystem; ECM-receptor interaction, conserved biosystem; Hematopoietic cell lineage, organism-specific biosystem; Hematopoietic cell lineage, conserved biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem;

Function

binding; collagen binding; hyaluronic acid binding; hyaluronic acid binding; hyaluronic acid binding; hyaluronoglucosaminidase activity; protein binding; receptor activity; contributes_to transmembrane signaling receptor activity;