

# Product Information

## Recombinant Anti-Human cd44 Antibody Fab Fragment

Cat. No.: **MOM-18075-F(E)**

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

### Product Overview

Recombinant Humanized Antibody Fab Fragment is directed against Human CD44, expressed in Chinese Hamster Ovary cells(CHO)

### Antigen Description

Receptor for hyaluronic acid (HA). Mediates cell-cell and cell-matrix interactions through its affinity for HA, and possibly also through its affinity for other ligands such as osteopontin, collagens, and matrix metalloproteinases (MMPs). Adhesion with HA plays an important role in cell migration, tumor growth and progression. Also involved in lymphocyte activation, recirculation and homing, and in hematopoiesis. Altered expression or dysfunction causes numerous pathogenic phenotypes. Great protein heterogeneity due to numerous alternative splicing and post-translational modification events.

### Specific Activity

Tested positive against native antigen.

### Target

CD44

### Immunogen

Purified recombinant human CD-Ig fusion protein.

### Source

Humanized

### Species Reactivity

Human

### Type

Humanized (from mouse) IgG Fab

### Expression Host

CHO

### Purity

>95.0% as determined by analysis by SDS-PAGE.

### Applications

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

### Storage

Store it under sterile conditions at -20°C upon receiving. Recommend to pack the protein into smaller quantities for optimal storage.

## ANTIGEN GENE INFORMATION

### Gene Name

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

### Official Symbol

CD44

### Synonyms

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

### Gene ID

[960](#)

### mRNA Refseq

[NM\\_000610.3](#)

### Protein Refseq

[NP\\_000601.3](#)

### MIM

[107269](#)

### UniProt ID

P16070

### Chromosome Location

11p13

### Pathway

Cytokine Signaling in Immune system; ECM-receptor interaction; Epstein-Barr virus infection; Hematopoietic cell lineage; Immune System; Interferon Signaling

### Function

Collagen binding; Hyaluronic acid binding; Hyaluronoglucosaminidase activity; Protein binding; Contributes\_to transmembrane signaling receptor activity