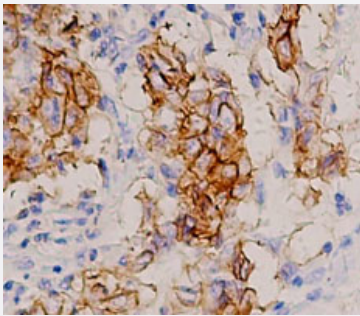


CD44 monoclonal antibody, clone 42

Catalog # MAB9968

Size 100 ug

Applications



Immunohistochemistry

Immunohistochemical staining of human stomach cancer tissue section with CD44 monoclonal antibody, clone 42 (Cat # MAB9968) at 1:200 dilution.

Specification

Product Description Mouse monoclonal antibody raised against full length recombinant CD44.

Immunogen Recombinant protein corresponding to full length human CD44.

Host Mouse

Reactivity Human

Specificity It can expression in HeLa whole cell lysate.

Form Liquid

Purification Affinity purification

Isotype IgG1

Recommend Usage Immunohistochemistry (1:100000)
The optimal working dilution should be determined by the end user.

Storage Buffer In Citrate-Tris-HCl buffer, pH 7.0 (0.02% Proclin 300)

Storage Instruction Store at 4°C. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Immunohistochemistry

Immunohistochemical staining of human stomach cancer tissue section with CD44 monoclonal antibody, clone 42 (Cat # MAB9968) at 1:200 dilution.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — CD44

Entrez GeneID	960
Protein Accession#	P16070
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 GP90 lymphocyte homing/adhesion receptor Hermes antigen antigen gp90 homing receptor cell adhesion molecule cell surface glycoprotein CD44 chondroitin sulfate proteoglycan

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](#)