

CD44 Monoclonal Antibody

Description

Product type	Primary Antibody
Code	BT-MCA0307
Host	Mouse
Isotype	IgG
Size	50ul, 100ul
Immunogen	Purified recombinant fragment of human CD44 (628-699) expressed in E. Coli.
Mol wt	N/A
Species reactivity	Human,Mouse
Clonality	Monoclonal
Recommended application	WB, IHC-p, IF, ICC, FCM, ELISA
Concentration	1 mg/ml
Full name	CD44 antigen
Synonyms	CD44; LHR; MDU2; MDU3; MIC4; CD44 antigen; CDw44; Epican; Extracellular matrix receptor III; ECMR-III; GP90 lymphocyte homing; adhesion receptor; HUTCH-I; Heparan sulfate proteoglycan; Hermes antigen; Hyaluronate receptor; Phagocytic glycopr

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

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.

Recommended Dilution

FC: 1:200 - 1:400

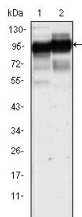
IF: 1:200 - 1:1000

IHC: 1:200 - 1:1000

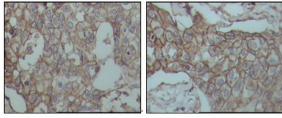
WB: 1:500 - 1:2000

Not yet tested in other applications.

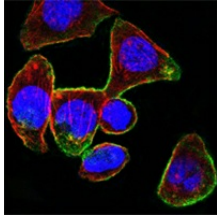
Images



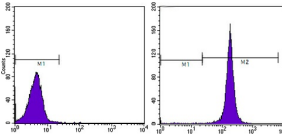
Western Blot analysis using CD44 Monoclonal antibody against HeLa (1) and HUVE-12(2) cell lysate.



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissues, showing membrane localization with DAB staining using CD44 Monoclonal antibody.



Confocal immunofluorescence analysis of PANC-1 cells using CD44 Monoclonal antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.



Flow cytometric analysis of HeLa cells using CD44 Monoclonal antibody (right) and negative control (left).

Storage

-20°C for one year

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