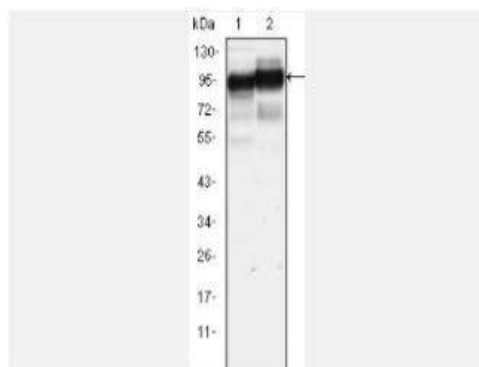


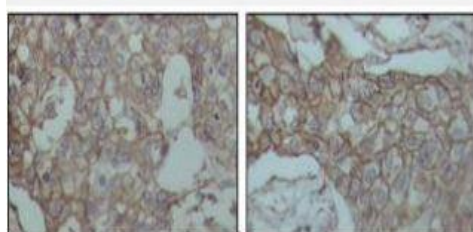
CD44 Monoclonal Antibody

Catalog No.	IMB0042
Reactivity	Human;Mouse
Applications	WB; IHC-p; IF/ICC; FCM; ELISA
Gene Name	CD44
Protein Name	CD44 antigen
Human Gene Id	960
Swiss-Prot	P16070
Formulation	Ascitic fluid containing 0.03% sodium azide,0.5% BSA, 50%glycerol.
Source	Monoclonal, Mouse
Dilution	WB: 1:500-1:2000 IHC: 1:200-1:1000 IF: 1:200-1:1000 FCM: 1:200-1:400 ELISA: 1:10000
Purification	Affinity purification
Concentration	-
Storage&Stability	-20°C/1 year
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. [provided by RefSeq, Jul 2008],
Subcellular Location.	Cell membrane; Single-pass type I membrane protein. Cell projection, microvillus. Colocalizes with actin in membrane protrusions at wounding edges. Co-localizes with RDX, EZR and MSN in microvilli. Localizes to cholesterol-rich membrane-bound lipid raft domains.
BiowMW	-

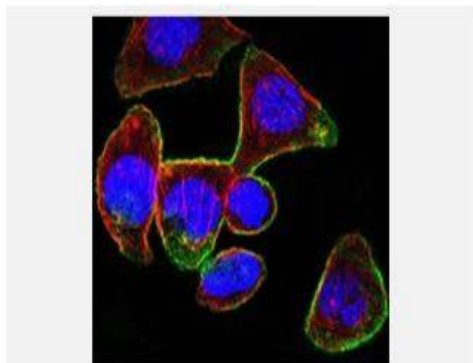
Products Images:



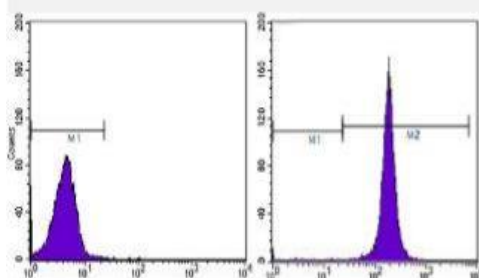
Western Blot analysis using CD44 Monoclonal Antibody against HeLa (1) and HUVE-12(2) cell lysate.



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).