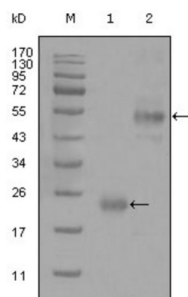
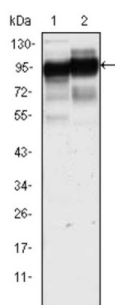


## CD44 Antigen (CD44) Antibody

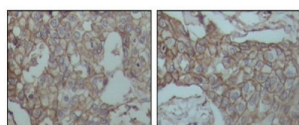
Catalogue No.: abx015801



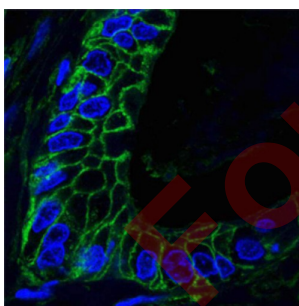
Western blot analysis of (1) truncated Trx-CD44 recombinant protein, and (2) GST-CD44 (628-699 AA) recombinant protein (2).



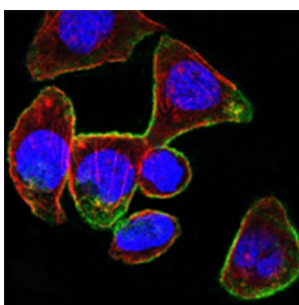
Western blot analysis of (1) HeLa, and (2) HUVE-12 cell lysates.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissues, showing membrane localization with DAB staining.



Confocal analysis of paraffin-embedded human lung cancer tissues using CD44 antibody (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.

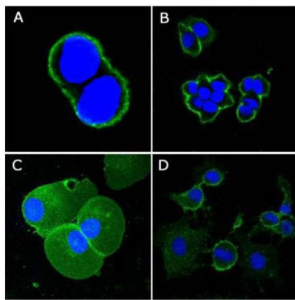


Confocal immunofluorescence analysis of PANC-1 cells using CD44 antibody (green). Red: Actin filaments have been labeled with DY-554 phalloidin. Blue: DRAQ5 fluorescent DNA dye.

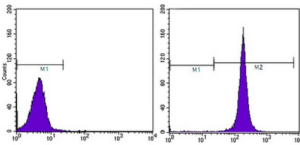
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Confocal immunofluorescence analysis of methanol-fixed (A) A431, (B) HeLa, (C) PANC-1, and (D) EC cells using CD44 antibody (green), showing membrane localization. Blue: DRAQ5 fluorescent DNA dye.



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

CD44, also known as IN, LHRMIC4, CDW44, HCELL. It 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.

**Target:** CD44 Antigen (CD44)

**Clonality:** Monoclonal

**Reactivity:** Human, Mouse

**Tested Applications:** ELISA, IHC, IF/ICC, FCM

**Host:** Mouse

**Recommended dilutions:** ELISA: 1/10000, IHC: 1/200 - 1/1000, IF/ICC: 1/200 - 1/1000, FCM: 1/200 - 1/400. Optimal dilutions/concentrations should be determined by the end user.

**Conjugation:** Unconjugated

**Immunogen:** Purified recombinant fragment of human CD44 (628-699 AA) expressed in E. coli.

**Isotype:** IgG<sub>1</sub>

**Form:** Liquid

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<b>Purification:</b>	Unpurified ascites.
<b>Storage:</b>	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
<b>UniProt Primary AC:</b>	P16070 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
<b>Gene Symbol:</b>	CD44
<b>GeneID:</b>	<a href="#">960</a>
<b>OMIM:</b>	<a href="#">107269</a>
<b>HGNC:</b>	1681
<b>Ensembl:</b>	ENSG00000026508
<b>Molecular Weight:</b>	82 kDa
<b>Buffer:</b>	Ascitic fluid containing 0.03% sodium azide.
<b>Concentration:</b>	Not determined.
<b>Note:</b>	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.