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Datasheet for ABIN5684103
anti-CD44 antibody (AA 36-194)

7 Images

Overview

Quantity:	0.1 mg
Target:	CD44
Binding Specificity:	AA 36-194
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Flow Cytometry (FACS), Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunocytochemistry (ICC), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human CD44 (AA: extra 36-194) expressed in E. coli.
Clone:	7F4F12
Isotype:	IgG1
Purification:	purified

Target Details

Target:	CD44
Alternative Name:	CD44 (CD44 Products)
Background:	Description: 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

Target Details

(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.

Aliases: IN, LHR, MC56, MDU2, MDU3, MIC4, Pgp1, CDW44, CSPG8, HCELL, HUTCH-I, ECMR-III

Molecular Weight: 81.5 kDa

Gene ID: 960

HGNC: 960

Pathways: [Glycosaminoglycan Metabolic Process](#), [Autophagy](#), [Negative Regulation of intrinsic apoptotic Signaling](#)

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: 1:200 - 1:400, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

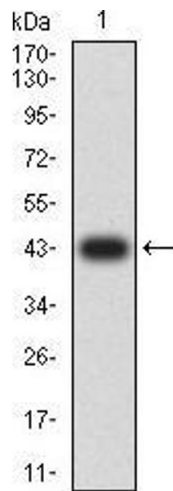
Buffer: Purified antibody in PBS with 0.05 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

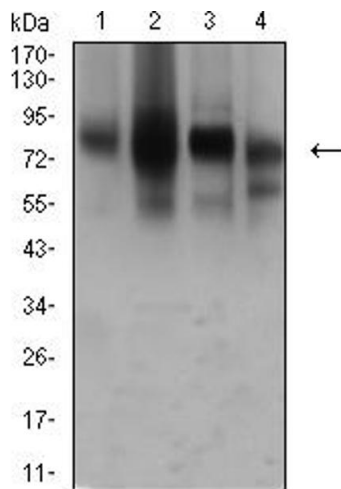
Storage: 4 °C/-20 °C

Storage Comment: 4°C, -20°C for long term storage



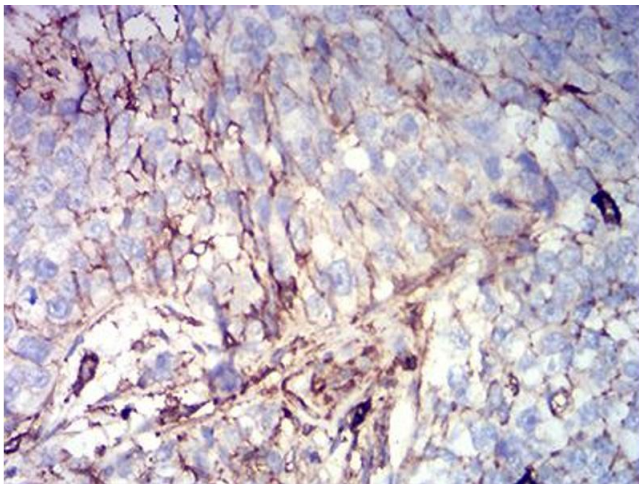
Western Blotting

Image 1. Western blot analysis using CD44 mAb against human CD44 (AA: extra 36-194) recombinant protein. (Expected MW is 43.3 kDa)



Western Blotting

Image 2. Western blot analysis using CD44 mouse mAb against HeLa (1), PANC-1 (2), HUVEC (3), and HUVE-12 (4) cell lysate.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded bladder cancer tissues using CD44 mouse mAb with DAB staining.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN5684103.