
CD44 Mouse mAb

Catalog Number: bsm-51065M

Target Protein: CD44

Concentration: 1mg/ml

Form: Liquid

Host: Mouse

Clonality: Monoclonal

Clone No.: 10B3

Isotype: IgG2a

Applications: WB (1:200-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:20-200), Flow-Cyt (1ug/Test),
ICC/IF (1:100-500)

Reactivity: Human

Predicted MW: 85 kDa

Entrez Gene: 960

Swiss Prot: P16070

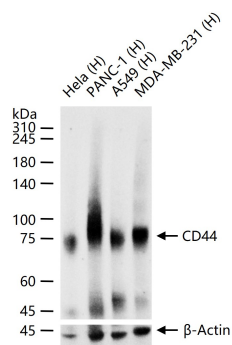
Purification: affinity purified by Protein G

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

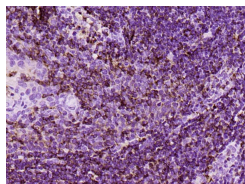
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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].

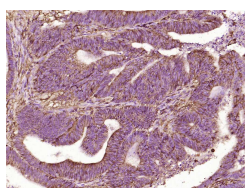
VALIDATION IMAGES



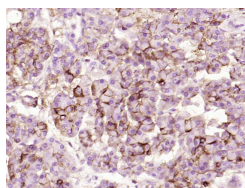
25 ug total protein per lane of various lysates (see on figure) probed with CD44 monoclonal antibody, unconjugated (bsm-51065M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



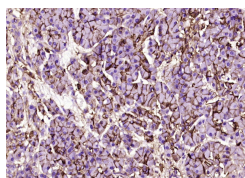
Paraformaldehyde-fixed, paraffin embedded (human tonsil); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD44) Polyclonal Antibody, Unconjugated (bsm-51065M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



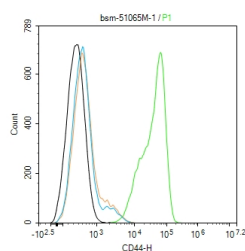
Paraformaldehyde-fixed, paraffin embedded (human colon carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD44) Polyclonal Antibody, Unconjugated (bsm-51065M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD44) Polyclonal Antibody, Unconjugated (bsm-51065M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CD44) Monoclonal Antibody, Unconjugated (bsm-51065M) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.



Blank control: HeLa. Primary Antibody (green line): Mouse Anti-CD44 antibody (bsm-51065M) Dilution: 1ug/Test; Secondary Antibody (white blue line) : Goat anti-mouse IgG-AF488 Dilution: 0.5ug/Test. Isotype control (orange line) : Normal Mouse IgG Protocol The cells were incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

PRODUCT SPECIFIC PUBLICATIONS

[IF=15.1] Xu-Rui Gu. et al. A renal-targeted gene delivery system derived from spermidine for arginase-2 silencing and synergistic attenuation of drug-induced acute kidney injury. CHEM ENG J. 2024 Apr;486:150125 FCM ; Human . 10.1016/j.cej.2024.150125

[IF=5.7] Jinmiao Tian. et al. QPH-FR: A Novel Quinoa Peptide Enhances Chemosensitivity by Targeting Leucine-Rich Repeat-Containing G Protein-Coupled Receptor 5 in Colorectal Cancer. J AGR FOOD CHEM. 2024;XXXX(XXX):XXX-XXX IHC, WB ; Mouse, Human . 39047262

[IF=5] Jun Li. et al. Targeting LRRC41 as a potential therapeutic approach for hepatocellular carcinoma. FRONT MOL BIOSCI. 2023; 10: 1300294 IHC ; Human . 38192337

[IF=1.851] Xie P et al. Therapeutic effect of transplantation of human bone marrow-derived mesenchymal stem cells on neuron regeneration in a rat model of middle cerebral artery occlusion. Mol Med Rep. 2019 Jul 30. ICC ; Human . 31432152