bsm-33103M

[Primary Antibody]

CK18 Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 10H2
GeneID: 3875
SWISS: P05783
Target: CK18
Purification: affinity purified by Protein G
Concentration: 1mg/ml
Storage: Size : 50ul/100ul/200ul
0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Size : 200ug (PBS only)
0.01M PBS
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: KRT18 encodes the type I intermediate filament chain keratin 18. Keratin 18, together with its filament partner keratin 8, are perhaps the most commonly found members of the intermediate filament gene family. They are expressed in single layer epithelial tissues of the body. Mutations in this gene have been linked to cryptogenic cirrhosis. Two transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]

Applications: **WB** (1:500-2000)
IHC-P (1:200-1000)
IHC-F (1:200-1000)
IF (1:200-1000)
Flow-Cyt (1ug/Test)
ICC/IF (1:100-500)

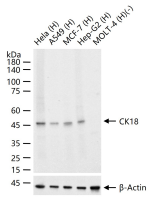
Reactivity: Human

Predicted MW.: 48 kDa

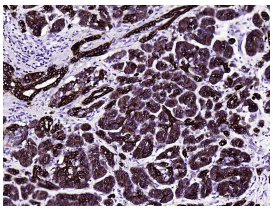
Observed MW.: 47 kDa

Subcellular Location: Cytoplasm ,Nucleus

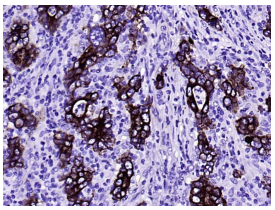
VALIDATION IMAGES



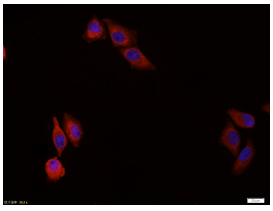
25 ug total protein per lane of various lysates (see on figure) probed with CK18 monoclonal antibody, unconjugated (bsm-33036M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



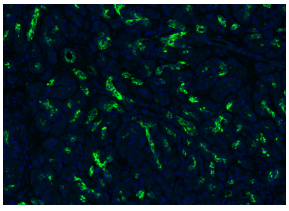
Paraformaldehyde-fixed, paraffin embedded (human pancreatic cancer); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CK18) Monoclonal Antibody, Unconjugated (bsm-33103M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



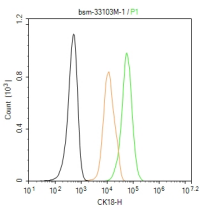
Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CK18) Monoclonal Antibody, Unconjugated (bsm-33103M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructionsand DAB staining.



Tissue/cell:Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum,



Paraformaldehyde-fixed, paraffin embedded (human pancreatic carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for



The Hela (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C,the cells then

C-0005) at 37°C for 20 min; Antibody incubation with (CK18) monoclonal Antibody, Unconjugated (bsm-33103M) 1:100, 90 minutes at 37°C; followed by a CY3 conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

15min; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CK18) Monoclonal Antibody, Unconjugated (bsm-33103M) at 1:500 overnight at 4°C, followed by a conjugated Goat Anti- Mouse IgG antibody (YF488) for 90 minutes, and DAPI for nuclei staining.

were incubated in 5%BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green):Mouse Anti-CK18 antibody (bsm-33103M): 1 µg/10^6 cells; Isotype Control (orange): Mouse IgG (bs-0296P). Blank control (black): PBS. Acquisition of 20,000 events was performed.

SELECTED CITATIONS

- **[IF=4.9]** Bao Yuan. et al. Exploring the Mechanism of H2S Synthesis in Male Bactrian Camel Poll Glands Based on Data Independent Acquisition Proteomics and Non-Targeted Metabolomics. INT J MOL SCI. 2024 Jul; 25(14): 7700 IF ;Camel. 39062942
- **[IF=4.4]** Wang Bin. et al. Enhancing endometrial receptivity: the roles of human chorionic gonadotropin in autophagy and apoptosis regulation in endometrial stromal cells. REPROD BIOL ENDOCRIN. 2024 Dec;22(1):1-18 IF ;Human. 38576003
- **[IF=3.3]** Zhiwei Feng. et al. Development of an alcoholic liver disease model for drug evaluation from human induced pluripotent stem cell-derived liver organoids: ALD model from hiPSC-derived liver organoids. ACTA BIOCH BIOPH SIN. 2024 May;56(10):1460 WB,IF ;Human. 38818583