bsm-33057M **[Primary Antibody]**

Cytokeratin 19 Mouse mAb

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DATASHEET

Host: Mouse
Isotype: IgG
Clonality: Monoclonal
CloneNo.: 10H7
GeneID: 3880
SWISS: P08727
Target: Cytokeratin 19
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: The protein encoded by this gene is a member of the keratin family. The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells and are subdivided into cytokeratins and hair keratins. The type I cytokeratins consist of acidic proteins which are arranged in pairs of heterotypic keratin chains. Unlike its related family members, this smallest known acidic cytokeratin is not paired with a basic cytokeratin in epithelial cells. It is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. The type I cytokeratins are clustered in a region of chromosome 17q12-q21.

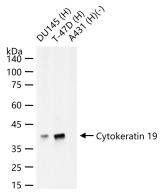
Applications: **WB** (1:500-2000)
IHC-P (1:100-1500)
IHC-F (1:100-1500)
IF (1:100-1500)
ICC/IF (1:100)

Reactivity: Human, Mouse, Rat

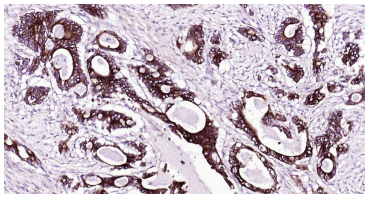
Predicted MW.: 44 kDa

Subcellular Location: Extracellular matrix ,Cell membrane ,Cytoplasm

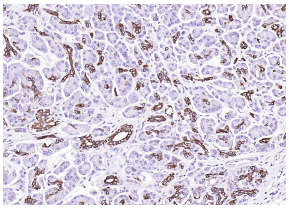
VALIDATION IMAGES



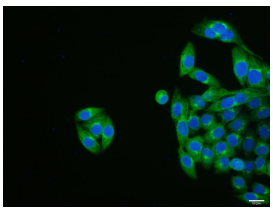
25 ug total protein per lane of various lysates (see on figure) probed with Cytokeratin 19 monoclonal antibody, unconjugated (bsm-33057M) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



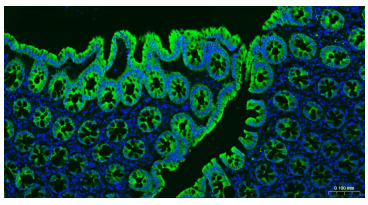
Paraformaldehyde-fixed, paraffin embedded Human Rectal Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 19 Monoclonal Antibody, Unconjugated (ascites of bsm-33057M) at 1:800 overnight at 4°C, followed by conjugation to the bs-40296G-HRP and DAB (C-0010) staining.



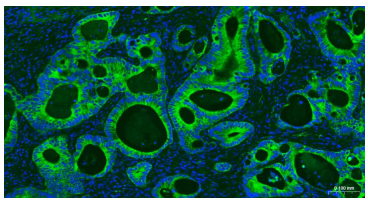
Paraformaldehyde-fixed, paraffin embedded (Human pancreas); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Cytokeratin 19) Monoclonal Antibody, Unconjugated (ascites of bsm-33057M-10H7) at 1:2000 overnight at 4°C, followed by operating according to SP Kit(Mouse) (sp-0024) instructions and DAB staining.



MCF-7 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking



Paraformaldehyde-fixed, paraffin embedded Human Colon ; Antigen retrieval by boiling in



Paraformaldehyde-fixed, paraffin embedded Human Colon Cancer; Antigen retrieval by

buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (Cytokeratin 19) monoclonal Antibody, Unconjugated (bsm-33057M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Mouse IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 19 Monoclonal Antibody, Unconjugated (bsm-33057M) at 1:500 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-0296G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Cytokeratin 19 Monoclonal Antibody, Unconjugated (bsm-33057M) at 1:500 overnight at 4°C. Followed by conjugated Goat Anti-Mouse IgG antibody (green, bs-0296G-BF488), DAPI (blue, C02-04002) was used to stain the cell nuclei.

SELECTED CITATIONS

- **[IF=4]** Zequan Ding. et al. CTHRC1 serves as an indicator in biliary atresia for evaluating the stage of liver fibrosis and predicting prognosis. DIGEST LIVER DIS. 2024 Jul;: IF,IHC ;Human. 39043537
- **[IF=2.247]** Qi Y et al. Denatured acellular dermal matrix seeded with bone marrow mesenchymal stem cells for wound healing in mice. Burns. 2019 May 6. IF ;Mouse. 31072713