

bsm-33060M**[Primary Antibody]****KRT7 | CK-7 Mouse mAb**

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ANTIBODIES

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DATASHEET**Host:** Mouse**Clonality:** Monoclonal**GeneID:** 3855**Target:** KRT7 | CK-7**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.

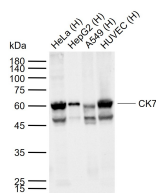
Size : 200ug (PBS only)

0.01M PBS (pH7.4).

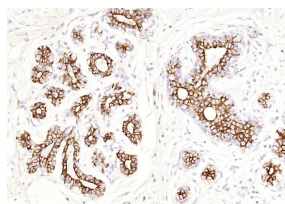
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Isotype: IgG**CloneNo.:** 10E3**SWISS:** P08729**Applications:** WB (1:500-2000)**IHC-P** (1:100-500)**IHC-F** (1:100-500)**IF** (1:100-500)**Flow-Cyt** (1ug/Test)**ICC/IF** (1:100-500)**Reactivity:** Human, Mouse, Rat**Predicted MW.:** 54 kDa**Observed MW.:** 60 kDa**Subcellular Location:** Cytoplasm

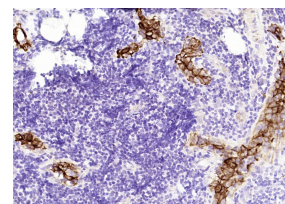
Background: The protein encoded by this gene is a member of the keratin gene family. The type II cytokeratins consist of basic or neutral proteins which are arranged in pairs of heterotypic keratin chains coexpressed during differentiation of simple and stratified epithelial tissues. This type II cytokeratin is specifically expressed in the simple epithelia lining the cavities of the internal organs and in the gland ducts and blood vessels. The genes encoding the type II cytokeratins are clustered in a region of chromosome 12q12-q13. Alternative splicing may result in several transcript variants; however, not all variants have been fully described. [provided by RefSeq, Jul 2008]

VALIDATION IMAGES

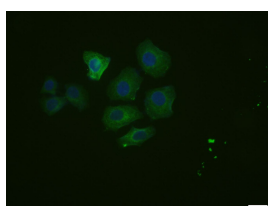
Sample: Lane 1: Human HeLa cell lysates Lane 2: Human HepG2 cell lysates Lane 3: Human A549 cell lysates Lane 4: Human HUVEC cell lysates
Primary: Anti-CK7 (bsm-33060M) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Mouse IgG at 1/20000 dilution Predicted band size: 54 kDa Observed band size: 60 kDa



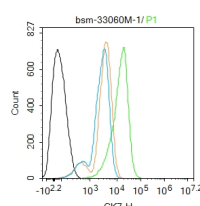
Paraformaldehyde-fixed, paraffin embedded (human breast); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CK7) Monoclonal Antibody, Unconjugated (bsm-33060M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



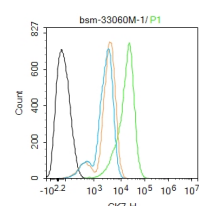
Paraformaldehyde-fixed, paraffin embedded (human esophagus); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (CK7) Monoclonal Antibody, Unconjugated (bsm-33060M) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Mouse)(sp-0024) instructions and DAB staining.



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20



Blank control:Hela. Primary Antibody (green line): Mouse Anti-CK7 antibody (bsm-33060M) Dilution: 1ug/Test; Secondary Antibody : Goat



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Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

min; Antibody incubation with (CK7) monoclonal Antibody, Unconjugated (bsm-33060M) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

anti-mouse IgG-FITC Dilution: 0.5ug/Test.
Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C. The cells were then 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.

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— SELECTED CITATIONS —

- **[IF=4.8]** Qi Ma. et al. Fatty Acid Metabolism via CPT1A Supports Poll Gland Function and Rutting Activities in Male Bactrian Camels. BIOMOLECULES. 2025 Jul;15(7):988 IF ;Camel. 40723859