bsm-51174M **[Primary Antibody]**

EpCAM Mouse mAb

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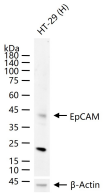
DATASHEET

Host: Mouse
Isotype: IgG1
Clonality: Monoclonal
CloneNo.: 10A8
GeneID: 4072
SWISS: P16422
Target: EpCAM
Immunogen: KLH conjugated synthetic peptide derived from human EpCAM: 50-100. < Extracellular >
Purification: affinity purified by Protein G
Concentration: 1mg/ml
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: This gene encodes a carcinoma-associated antigen and is a member of a family that includes at least two type I membrane proteins. This antigen is expressed on most normal epithelial cells and gastrointestinal carcinomas and functions as a homotypic calcium-independent cell adhesion molecule. The antigen is being used as a target for immunotherapy treatment of human carcinomas. Mutations in this gene result in congenital tufting enteropathy. [provided by RefSeq, Dec 2008]

Applications: **WB** (1:500-1000)
ELISA (1:5000-10000)
Reactivity: Human
Predicted MW.: 35 kDa
Subcellular Location: Cell membrane

VALIDATION IMAGES



25 ug total protein per lane of various lysates (see on figure) probed with EpCAM monoclonal antibody, unconjugated (bsm-51174M) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

SELECTED CITATIONS

- **[IF=8.758]** Zeyu Li. et al. Imaging-Guided Chemo–Photothermal Polydopamine Carbon Dots for EpCAM-Targeted Delivery toward Liver Tumor. Acs Appl Mater Inter. 2021;XXXX(XXX):XXX-XXX IF ;Human. 34137582
- **[IF=9.3]** Ke Mo. et al. Targeting hnRNPC suppresses thyroid follicular epithelial cell apoptosis and necroptosis through m6A-modified ATF4 in autoimmune thyroid disease. PHARMACOL RES. 2023 Sep;:106933 IF ;Human. 37729957