# bsm-60464M

## [ Primary Antibody ]

www.bioss.com.cn sales@bioss.com.cn techsupport@bioss.com.cn 400-901-9800

DATASHEET

Host: Mouse Isotype: IgG1, Kappa Clonality: Recombinant CloneNo.: F9D9

MTHFD1 Recombinant Mouse mAb

Target: MTHFD1

Purification: affinity purified by Protein G

Concentration: 1mg/ml

Storage: PBS, Glycerol, BSA.

Shipped at 4°C. Store at -20°C for one year. Avoid repeated

freeze/thaw cycles.

**Background:** This gene encodes a protein that possesses three distinct

enzymatic activities, 5,10-methylenetetrahydrofolate dehydrogenase, 5,10-methenyltetrahydrofolate cyclohydrolase and 10-formyltetrahydrofolate synthetase. Each of these activities catalyzes one of three sequential reactions in the interconversion of 1-carbon derivatives of tetrahydrofolate, which are substrates for methionine, thymidylate, and de novo purine syntheses. The trifunctional enzymatic activities are conferred by two major domains, an aminoterminal portion containing the dehydrogenase and cyclohydrolase activities and a larger synthetase domain.

[provided by RefSeq, Jul 2008]

Applications: WB (1:500-1000)

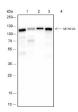
ICC/IF (1:100-500)

Reactivity: Human (predicted: Mouse)

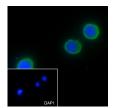
Predicted MW.: 110 kDa

Subcellular Location: Cytoplasm

### VALIDATION IMAGES



Blocking buffer: 5% NFDM/TBST Primary Ab dilution: 1:1000 Primary Ab incubation condition: room temperature 2h Secondary Ab: Goat Anti-Mouse IgG H&L (HRP) Lysate: 1: HeLa, 2: 293, 3: A20, 4: Raw264.7 Protein loading quantity: 20 µg Exposure time: 10 s Predicted MW: 102 kDa Observed MW: 102 kDa



Cell line: HEK-293 Fixative: 100% Ice-cold methanol Permeabilization: 0.1% TritonX-100 Primary Ab dilution: 1:50 Primary incubation condition: 4°C overnight Secondary Ab: Goat Anti-Rabbit IgG Nuclear counter stain: DAPI (Blue) Comment: Color green is the positive signal for bsm-60464M