

## MSH2 monoclonal antibody

Catalog: MB23077

Host: Mouse

Reactivity: Human, Mouse, Monkey

### BackGround:

This locus is frequently mutated in hereditary non-polyposis colon cancer (HNPCC). When cloned, it was discovered to be a human homolog of the E. coli mismatch repair gene mutS, consistent with the characteristic alterations in microsatellite sequences (RER+ phenotype) found in HNPCC. Two transcript variants encoding different isoforms have been found for this gene.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

104.7kDa

### Swiss-Prot:

P43246

### Purification&Purity:

The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

IF: 1/200 - 1/1000 FC: 1/200 - 1/400

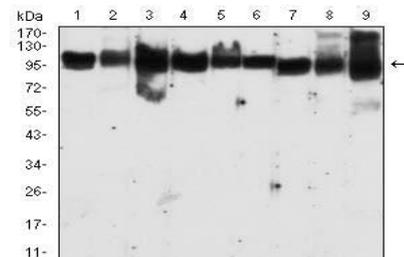
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

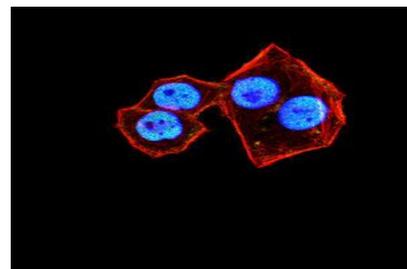
### Isotype:

Mouse IgG1

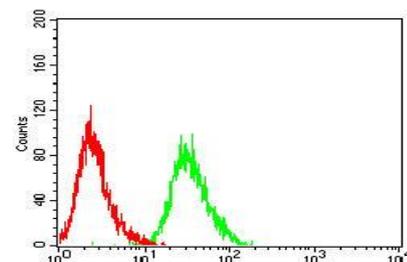
### DATA:



Western blot analysis using MSH2 mouse mAb against MCF-7 (1), A431 (2), K562 (3), HeLa (4), Raji (5), A549 (6), NIH/3T3 (7), cos-7 (8), and Hek293-e6 (9) cell lysate.



Immunofluorescence analysis of HeLa cells using MSH2 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)



Flow cytometric analysis of HeLa cells using MSH2 mouse mAb (green) and negative control (red).

### Note:

For research use only, not for use in diagnostic procedure.

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