

## RAD52 monoclonal antibody

Catalog: MB22051

Host: Mouse

Reactivity: Human

### BackGround:

The protein encoded by this gene shares similarity with *Saccharomyces cerevisiae* Rad52, a protein important for DNA double-strand break repair and homologous recombination. This gene product was shown to bind single-stranded DNA ends, and mediate the DNA-DNA interaction necessary for the annealing of complementary DNA strands. It was also found to interact with DNA recombination protein RAD51, which suggested its role in RAD51 related DNA recombination and repair. A pseudogene of this gene is present on chromosome 2. Alternative splicing results in multiple transcript variants. Additional alternatively spliced transcript variants of this gene have been described, but their full-length nature is not known.

### Product:

Purified antibody in PBS with 0.05% sodium azide

### Molecular Weight:

46.2kDa

### Swiss-Prot:

P43351

### 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:

WB:1/500 - 1/2000 IF:1/200 - 1/1000 FC:1/200 - 1/400

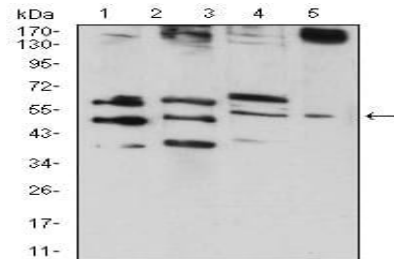
### Storage&Stability:

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

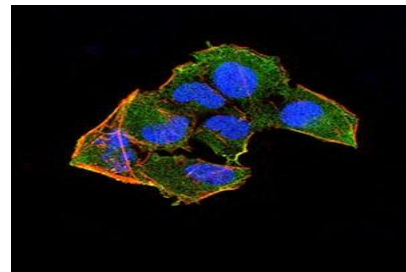
### Isotype:

Mouse IgG1

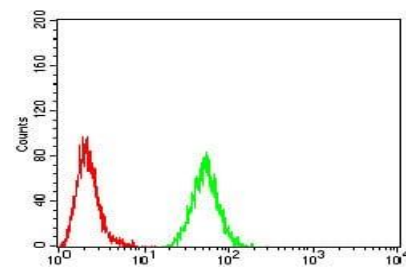
### DATA:



Western blot analysis using RAD52 mouse mAb against HepG2 (1), MCF-7 (2), MCF-7 (3), and C6 (4) cell lysate.



Immunofluorescence analysis of HeLa cells using RAD52 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 MCF7 cells using RAD52 mouse mAb (green) and negative control (red).

### Note:

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

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