

## GRP78 monoclonal antibody

Catalog: MB66860

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

Secretory and transmembrane proteins are synthesized on polysomes and translocated into the endoplasmic reticulum. Inside the ER, these proteins are often modified by disulfide bond formation, amino-linked glycosylation and folding. To help proteins fold properly, the ER contains a pool of molecular chaperones including BiP. BiP was identified as an immunoglobulin heavy chain binding protein in pre-B cells. It was also found to be induced at the protein level by glucose starvation. When protein folding is disturbed inside ER, BiP synthesis is increased. Subsequently, BiP binds to misfolded proteins to prevent them from forming aggregates and assists in proper re-folding.

### Product:

Mouse IgG1 kappa. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide.

### Molecular Weight:

~ 78 kDa

### Swiss-Prot:

P11021

### Purification&Purity:

This antibody is purified through a protein G column.

### Applications:

WB (1/1000 - 1/5000)

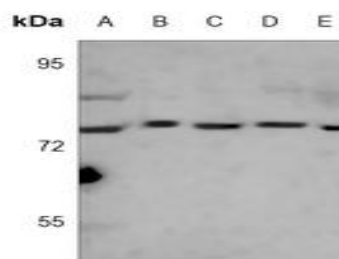
### Storage&Stability:

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

### Specificity:

Recognizes endogenous levels of GRP78 protein.

### DATA:



Western blot analysis of GRP78 expression in HepG2 (A), MCF7 (B), Jurkat (C), mouse liver (D), rat liver (E) whole cell lysates.

### Note:

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

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