



**Category:** Monoclonal Antibodies

**Product Name:** Mouse Monoclonal Antibody to EGF

**Catalog Number:** MAB-606030015

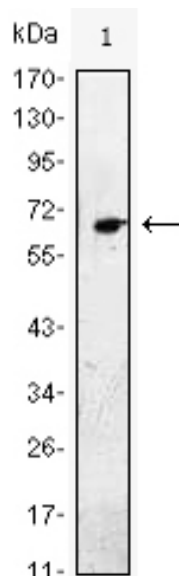


Figure 1: Western blot analysis using EGF mAb against EGF-hIgGfc transfected HEK293 cell lysate.

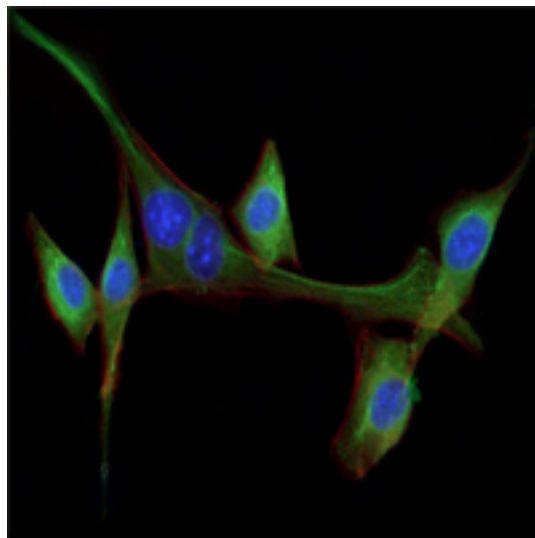


Figure 2: Immunofluorescence analysis of NIH/3T3 cells using EGF mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

Lot#:  
Clone#: 4E11  
Host and isotype: Mouse IgG1  
Size: 0.1ml  
MW: 134kDa  
Aliases: URG; HOMG4; EGF  
Entrez Gene: 1950  
Species reactivity: Human

**Description** Epidermal growth factor has a profound effect on the differentiation of specific cells in vivo and is a potent mitogenic factor for a variety of cultured cells of both ectodermal and mesodermal origin. The EGF precursor is believed to exist as a membrane-bound molecule which is proteolytically cleaved to generate the 53-amino acid peptide hormone that stimulates cells to divide.

**Immunogen** Purified recombinant fragment of human EGF expressed in E. Coli.

**Application** Western Blotting: 1/500 - 1/2000.

Immunofluorescence: 1/200 - 1/1000.

ELISA: Propose dilution 1/10000.

Not yet tested in other applications.

Determining optimal working dilutions by titration test.

**Formulation** Ascitic fluid containing 0.03% sodium azide.

**Storage** Store at 4°C, for long term storage, store at -20°C.

#### Related product

**References** 1. Biochem J. 1992 Dec 1;288 ( Pt 2):395-405.

2. Oncogene. 2000 Mar 16;19(12):1509-18.

3. Nature. 2002 Mar 14;416(6877):183-7.

4. Radiat Res. 2003 Apr;159(4):439-52.

**For Research Use Only**

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