

## Product datasheet for **AM06419SU-N**

### EGF Mouse Monoclonal Antibody [Clone ID: 4E11]

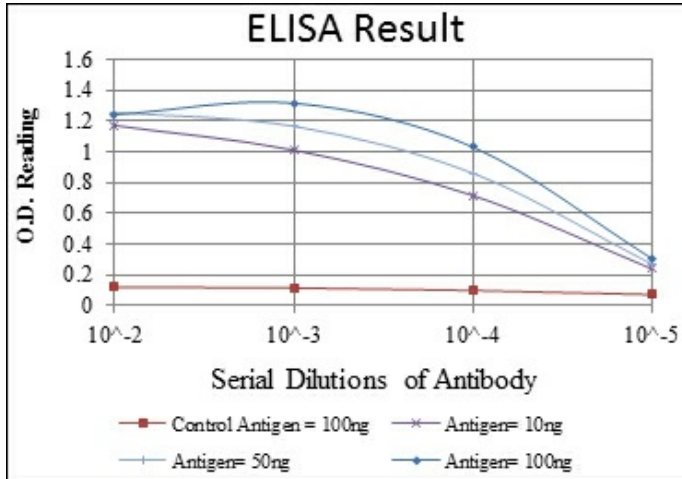
#### Product data:

Product Type:	Primary Antibodies
Clone Name:	4E11
Applications:	ELISA, IF, WB
Recommended Dilution:	<b>Western Blot:</b> 1/500 - 1/2000. <b>Immunofluorescence:</b> 1/200 - 1/1000. <b>ELISA:</b> 1/10000.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified recombinant fragment of human EGF expressed in E. Coli.
Specificity:	This antibody reacts to EGF.
Formulation:	State: Ascites State: Ascitic fluid containing 0.03% sodium azide.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	134 kDa
Gene Name:	epidermal growth factor
Database Link:	<a href="#">Entrez Gene 1950 Human P01133</a>
Background:	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.
Synonyms:	Urogastrone, Epidermal growth factor, URG, HOMG4

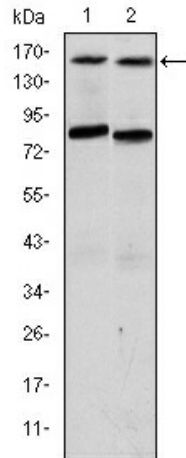


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Product images:



Western blot analysis using EGF mAb against EGF (AA: 971-1023)-hlgGfc transfected HEK293 cell lysate.



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.