



BMA BIOMEDICALS



Peninsula Laboratories

T-4598

Rabbit anti rec EGF (Epidermal Growth Factor) (human)

Epidermal Growth Factor (EGF) stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. It 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.

This antibody was generated by immunization of rabbits with Epidermal Growth Factor coupled to a carrier protein.

TECHNICAL AND ANALYTICAL CHARACTERISTICS

Lot number:	970418
Host species:	Rabbit IgG
Quantity:	400µg
Format:	Protein A affinity purified from antiserum, lyophilized, packaged under nitrogen. Reconstitute by adding 0.2ml distilled water. This stock solution contains 2mg/ml IgG, phosphate buffer saline pH 7.4 (PBS), and 0.02% (w/v) Thimerosal as a preservative.
Stability:	Original vial: at least one year at 4° - 8°C from date of delivery. Minimize repeated thawing and freezing of the antiserum by freezing aliquots at - 20°C or below.
Applications:	This antibody has been tested and validated in ELISA against Epidermal Growth Factor. Other applications like immunohistochemistry (IHC), FACS or Western Blot may work as well. Optimal dilutions should be determined by the end user. Please see www.bma.ch for protocols and general information.
Immunogen:	Synthetic peptide H-Asn-Ser-Asp-Ser-Glu-Cys-Pro-Leu-Ser-His-Asp-Gly-Tyr-Cys-Leu-His-Asp-Gly-Val-Cys-Met-Tyr-Ile-Glu-Ala-Leu-Asp-Lys-Tyr-Ala-Cys-Asn-Cys-Val-Val-Gly-Tyr-Ile-Gly-Glu-Arg-Cys-Gln-Tyr-Arg-Asp-Leu-Lys-Trp-Trp-Glu-Leu-Arg-OH (Disulfide bonds between Cys ⁶ and Cys ²⁰ /Cys ¹⁴ and Cys ³¹ /Cys ³³ and Cys ⁴²) coupled to a carrier protein.

Cross-Reactivity:

PEPTIDE:	%:
rec EGF (human)	100
Insulin (human)	0
rec IGF-1(human)	0
GRF (human)	0
TGF- α (human)	0
Somatostatin-28	0
Growth Hormone (human)	0
LHRH	0
[Arg ⁸]-Vasopressin	0

Related Products: T-4581: Rabbit anti rec EGF (hu), neat antiserum

This product contains Thimerosal as a preservative and is intended for laboratory use and research purposes only. Purchase of this product does not include authorization to use it in diagnostic or therapeutic applications.

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rabbit IgG

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