



# ANOGEN - A Division of YES Biotech Laboratories Ltd.

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## Mouse Anti-Human EGF Monoclonal Antibody Datasheet

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| <b>Product Name:</b> mAb anti-Human EGF   | <b>Clone No.:</b> S-21   |
| <b>Catalogue No.:</b> MO-C40044A  | <b>Quantity:</b> 0.5 mg/vial   |
| <b>Description:</b> Mouse monoclonal antibody to human epidermal growth factor (EGF)  | <b>Research Area:</b> Growth factor and cytokine   |
| <b>Purification:</b> Protein G affinity purified  | <b>Background:</b> Epidermal growth factor (EGF), along with its receptor EGFR, plays an important role in cell proliferation, differentiation and survival. The binding of EGF to EGFR triggers the intrinsic tyrosine kinase activity of EGFR, activates signalling molecules and stimulates the synthesis of proteins and DNAs. |
| <b>Product Type:</b> Primary antibody   | EGF is crucial for maintaining mucosal lining in gastrointestinal duct and for healing of oral and gastroesophageal ulcers. EGF signalling is needed for cancer growth. Monoclonal antibodies that block EGFR have been applied for lung cancer and colon cancer treatment.  |
| <b>Target Protein:</b> Human EGF  | <b>Applications:</b> ELISA   |
| <b>Immunogen:</b> Purified recombinant human EGF, 6kDa, 53 amino acid residues  | <b>Reference:</b> If research is published using this product, please inform Anogen in order to cite the reference on this datasheet. Anogen will provide one unit of product in the same category as gratitude.   |
| <b>Fusion Myeloma:</b> Sp2/0-Ag14   |  |
| <b>Specificity:</b> Reactive with natural and recombinant human EGF.  |  |
| <b>Species Reactivity:</b> Human, others not tested   |  |
| <b>Cross- Reactivity:</b> Does not cross react with other human cytokines tested such as IL-1 $\beta$ , IL-8, MCAF, TGF- $\beta$ and SAA. |  |
| <b>Host / Isotype:</b> Mouse, IgG1 Kappa  |  |
| <b>Formulation:</b> Lyophilized from a solution in 0.01M PBS, pH 7.2  |  |
| <b>Reconstitution:</b> Double distilled water is recommended to adjust the final concentration to 1.00mg/mL.                              |  |
| <b>Storage:</b> Store at -20°C  |  |

This product is for LABORATORY RESEARCH USE and further manufacture ONLY, and cannot be administrated to human and animals for use in diagnostic and therapeutic procedures.

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