



## HRP Conjugated Mouse Anti-Human EGF Monoclonal Antibody Datasheet

**Product Name:** HRP conjugated mAb anti-Human EGF

**Clone No.:** S-146

**Catalogue No.:** MO-C40044T

**Quantity:** 0.2 mL/vial

**Description:** Horseradish peroxidase (HRP) conjugated mouse monoclonal antibody to human epidermal growth factor (EGF)

**Purification:** Protein G affinity purified

**Product Type:** Tracer antibody in matched antibody pair, HRP conjugated

**Target Protein:** Human EGF

**Immunogen:** Purified recombinant human EGF, 6kDa, 53 amino acid residues

**Fusion Myeloma:** Sp2/0-Ag14

**Specificity:** Reactive with natural and recombinant human EGF. Does not cross react with other human cytokines tested such as IL-1 $\beta$ , IL-8, MCAF and TGF- $\beta$ .

**Species Reactivity:** Human, others not tested

**Host / Isotype:** Mouse, IgG1 Kappa

**Storage Buffer Formulation:** Mixture of 50% glycerol and 50% PH7.2 0.01M PBS. Final PH = 7.0  $\pm$  0.1.

**Storage:** Store at -20°C

**Research Area:** Growth factor and Cytokine

**Applications:** 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.

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 inhibition.

**Test Data:** **ELISA:** This HRP conjugated antibody can be used in sandwich ELISA for EGF detection. The matched antibody (capture) is clone S-134 (Anogen Cat No.: MO-C40044D).

**Reference:** 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.

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