

## EGFR (L858Q)

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**Cat. #:** 26221

**Gene Symbol:** EGFR/HER1/ERBB1

**Description:** Anti-EGFR (L858Q) Mouse Monoclonal Antibody

**Background:** EGFR is a receptor tyrosine kinase binding ligands of the EGF family and activating several signaling cascades to convert extracellular cues into appropriate cellular responses. It activates at least 4 major downstream signaling cascades including the RAS-RAF-MEK-ERK, PI3 kinase-AKT, PLC gamma-PKC and STATs modules. Defects in EGFR are associated with lung cancer (LNCR).

**Immunogen:** A synthetic peptide from the internal region of EGFR which includes the mutation of L858Q, human origin.

**Tested applications:** ELISA, WB, IF, IHC

**Recommended dilutions:**

**ELISA:** 1:1000-1:5000

**WB:** 1:500-1:1000

**IHC:** 1:50-1:100

**Concentration:** 1 mg/ml

**Host Species:** Mouse

**Clonality:** Monoclonal

**Purity:** Purified from ascites

**Format:** Liquid

**Storage buffer:**

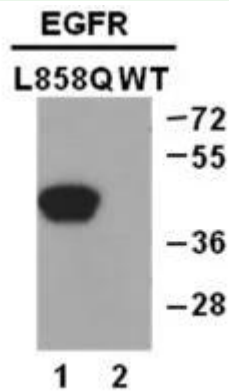
**Preservative:** no

**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 50% glycerol

**Species Reactivity:** Recognizes EGFR (L858Q), but not wild type EGFR protein from vertebrates.

**Storage Conditions:** Store at -20°C. Avoid repeated freezing and thawing.

**Western blot:**



WB: Anti-EGFR(L858Q) mAb

**Western blot analysis of recombinant EGFR (L858Q) and wild type proteins.**

Purified His-tagged EGFR (L858Q) protein (aa702-987, lane 1) and corresponding wild type protein (aa702-987, lane 2) were blotted with anti-EGFR (L858Q) mouse antibody (Cat. #26221).