Wuhan NewEast Biosciences Co.Ltd

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EGFR (L747-P753) S

Catalog Number: 26287
Gene Symbol: EGFR/HER1/ERBB1
Description: Anti-EGFR (L747-P753) S 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, PLCgamma-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 (L747-P753) S, 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: Mouse

Clonality: Monoclonal

Purity: Purified from ascites

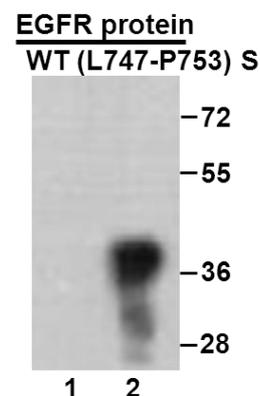**Format:** Liquid

Storage buffer:

Preservative: no

Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes EGFR (L747-P753) S, but not wild type EGFR protein from vertebrates.

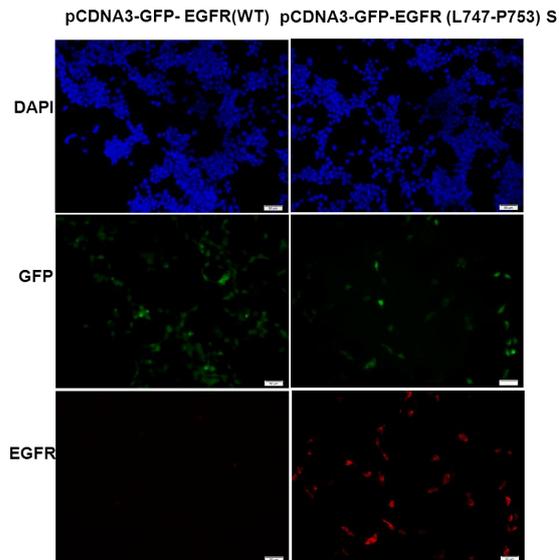**Storage Conditions:** Store at -20°C. Avoid freeze / thaw cycles.

Western blot:

Western blot analysis of recombinant EGFR(L747-P753) S and wildtype proteins.
Purified His-tagged EGFR (L747-P753) S protein (702-987) and wild-type protein (702-987) were blotted with anti- EGFR (L747-P753) S mouse antibody (Cat. #26287).

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Immunofluorescence:

Immunofluorescence of cells expressing EGFR proteins with anti-EGFR (L747-P753) S antibody. HEK293T cells were transfected with pCDNA3-GFP-EGFR (WT) plasmid (left column) or pCDNA3-GFP-EGFR (L747-P753) S plasmid (right column), then fixed and stained with anti-EGFR (L747-P753) S monoclonal antibody (Cat. #26287).