

Mouse Anti-EGFR [GFR/1667]: MC0157, MC0157RTU7

Intended Use: For Research Use Only

Description: EGFR is a member of family of receptor tyrosine kinases. EGFR expression has been associated with cancer progression. EGFR is expressed in a wide range of normal epithelial tissues and in tumors derived thereof. Defects in EGFR are associated with lung cancer (LNCR). LNCR is a common malignancy affecting tissues of the lung. The most common form of lung cancer is non-small cell lung cancer (NSCLC) that can be divided into 3 major histologic subtypes: squamous cell carcinoma, adenocarcinoma, and large cell lung cancer. NSCLC is often diagnosed at an advanced stage and has a poor prognosis.

Specifications

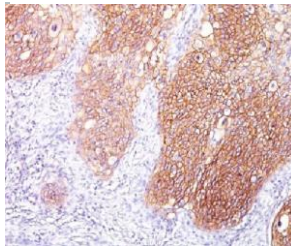
Clone: GFR/1667
Source: Mouse
Isotype: IgG1
Localization: Membrane
Formulation: Purified and diluted in PBS pH 7.2, containing BSA and < 0.09% sodium azide (NaN₃)
Storage: Store at 2°- 8°C
Applications: IHC, Flow Cyt., ICC/IF
Package:

Description	Catalog No.	Size
EGFR Concentrated	MC0157	1 ml
EGFR Prediluted	MC0157RTU7	7 ml

IHC Procedure*

Positive Control Tissue: Lymph node metastasis tissue
Concentrated Dilution: 50-200
Pretreatment: Citrate pH 6.0 or EDTA pH8.0, 15 minutes using Pressure Cooker, or 30-60 minutes using water bath at 95°-99°C
Incubation Time and Temp: 30-60 minutes @ RT
Detection: Refer to the detection system manual

* Result should be confirmed by an established diagnostic procedure.



FFPE human SCC stained with anti-EGFR using DAB

References:

1. Tyrosine kinase receptor expression in chordomas: phosphorylated AKT correlates inversely with outcome. de Castro CV, et al. Hum Pathol 44:1747-55 2013.
2. Acetyl-11-keto-beta-boswellic acid (AKBA) prevents human colonic adenocarcinoma growth through modulation of multiple signaling pathways. Yuan Y et al. Biochim Biophys Acta 1830:4907-16 2013.
3. Ax1 mediates acquired resistance of head and neck cancer cells to the epidermal growth factor receptor inhibitor erlotinib. Giles KM et al. Mol Cancer Ther 12:2541-58 2013.
4. Predictors of outcome in an AIEOP series of childhood ependymomas: a multifactorial analysis. Modena P et al. Neuro Oncol 14:1346-56 2012.
5. A functional nuclear epidermal growth factor receptor, SRC and stat3 heteromeric complex in pancreatic cancer cells. Jagannathan S et al. PLoS One 6:e19605 2011.
6. Estrogen receptor-alpha promoter methylation in sporadic basal-like breast cancer of Chinese women. Jing MX, et al. Tumour Biol 32:713-9 2011.

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