

# Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody



**Catalog #: 4795**

## Aliases

EGFR; Epidermal Growth Factor Receptor; ERBB1; ERBB; Receptor Tyrosine-Protein Kinase ErbB-1; Erb-B2 Receptor Tyrosine Kinase 1; Proto-Oncogene C-ErbB-1; EC 2.7.10.1; HER1; Epidermal Growth Factor Receptor (Avian Erythroblastic Leukemia Viral (V-Erb-B) Oncogene Homolog); Erythroblastic Leukemia Viral (V-Erb-B) Oncogene Homolog (Avian); Avian Erythroblastic Leukemia Viral (V-Erb-B) Oncogene Homolog; Epidermal Growth Factor Receptor Tyrosine Kinase Domain; Cell Proliferation-Inducing Protein 61; Cell Growth Inhibiting Protein 40; EGFR VIII; EC 2.7.10; NISBD2; PIG61; MENA

## Background

Gene Name: EGFR

NCBI Gene Entry: [1956](#)

UniProt Entry: [P00533](#)

## Application Information

Molecular Weight: Predicted, 134 kDa; observed, 170 kDa

Clonality: Mouse monoclonal antibody

Clone ID: 24GB12980

Species Reactivity: Human

Applications Tested: Western blotting (WB), flow cytometry (FCM), immunocytochemistry (IC)

## Immunogen

Recombinant protein of human EGFR

## Isotype

Mouse IgG1

## Storage Buffer

Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.

## Storage

Store at -20 °C for one year.

## Recommended Dilutions

Western Blotting (WB): 1:500-1:2,500

Flow Cytometry (FCM): 1:2,000

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### SUPPORT

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### ORDERS

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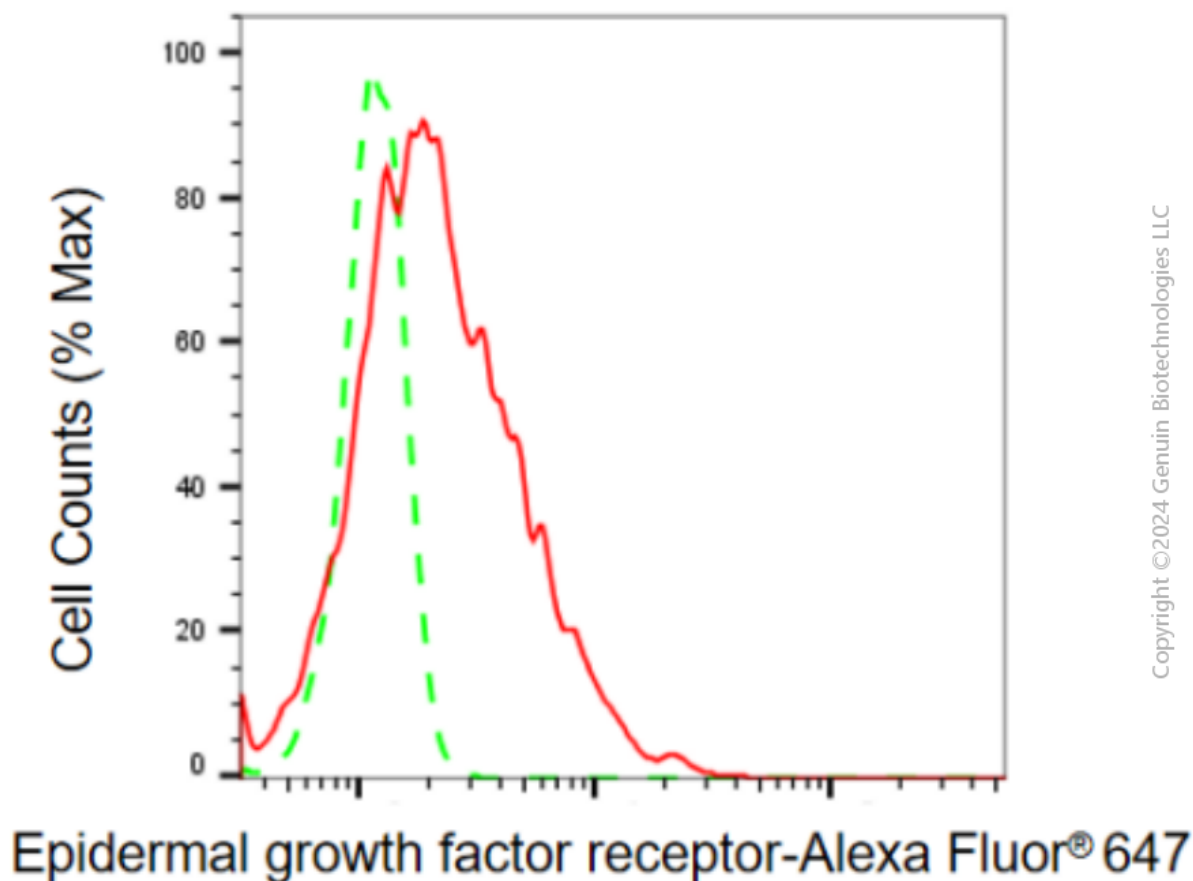
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Immunocytochemistry (IC): 1:100-1:1,000

**Note:** This product is for research use only.

## Validation Data



Flow cytometric analysis of epidermal growth factor receptor expression in HepG2 cells using anti-epidermal growth factor receptor antibody (Cat#4795, 1:2,000). Green, isotype control; red, epidermal growth factor receptor.

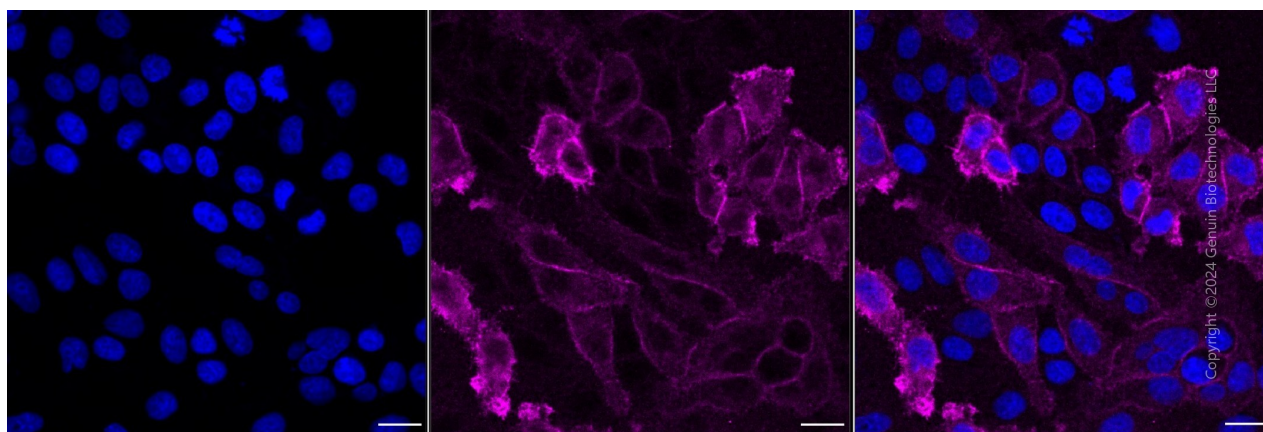
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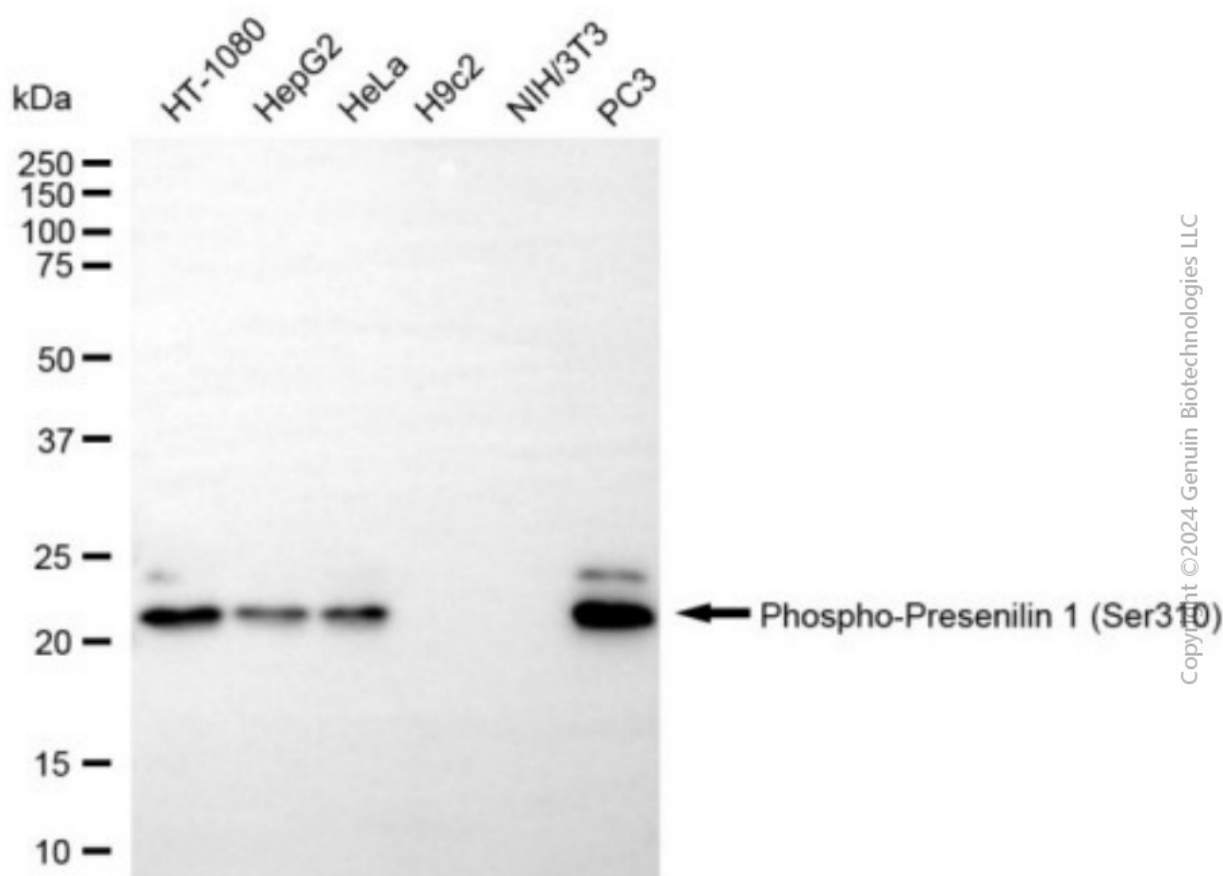
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Immunocytochemical staining of HepG2 cells with anti-Epidermal growth factor receptor antibody (Cat#4795, 1:1,000). Nuclei were stained blue with DAPI; Epidermal growth factor receptor was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and Smart Gain: Medium. Scale bar, 20 µm.



Western blotting analysis using anti-epidermal growth factor receptor antibody (Cat#4795). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-epidermal growth factor receptor antibody (Cat#4795, 1:2,500) and HRP-conjugated goat anti-mouse secondary antibody (Cat#101, 1:20,000) respectively. Image was

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# **Anti-Epidermal Growth Factor Receptor Mouse Monoclonal Antibody**

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developed using NaQ™ ECL Substrate Kit (Cat#716).

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