

## Anti-EGF Antibody (8N3)

## Product Details

|               |                         |
|---------------|-------------------------|
| Ig Type:      | Rabbit IgG              |
| Reactivity:   | Human                   |
| Conjugation:  | Unconjugated            |
| Clone:        | 8N3                     |
| Purification: | Affinity-chromatography |

## Applications

|                    |   |
|--------------------|---|
| Verified Activity: | <p>1. IHC image of TMAH-00377 diluted at 1:100 and staining in paraffin-embedded human skin tissue performed on a Leica BondTM system. After dewaxing and hydration, antigen retrieval was mediated by high pressure in a citrate buffer (pH 6.0). Section was blocked with 10% normal goat serum 30min at RT. Then primary antibody (1% BSA) was incubated at 4°C overnight. The primary is detected by a Goat anti-rabbit polymer IgG labeled by HRP and visualized using 0.66% DAB.</p> <p>2. Overlay Peak curve showing SH-SY5Y cells surface stained with TMAH-00377 (red line) at 1:50. Then 10% normal goat serum to block non-specific protein-protein interactions followed by the antibody (1µg/1*10<sup>6</sup> cells) for 45min at 4°C. The secondary antibody used was FITC-conjugated Goat Anti-rabbit IgG(H+L) at 1:200 dilution for 35min at 4°C. Control antibody (green line) was rabbit IgG (1µg/1*10<sup>6</sup> cells) used under the same conditions. Acquisition of &gt;10,000 events was performed.</p> |
| Application:       | ELISA,FCM,IHC   |
| Recommended        | IHC:1:50-1:200; FCM:1:50-1:200.   |

## Properties

|                      |   |
|----------------------|---|
| Stability & Storage: | Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. |
| Shipping:            | Shipping with blue ice.   |

## Antigen Details

|                  |   |
|------------------|---|
| Immunogen:       | A synthetic peptide: Human EGF            |
| Antigen Species: | Human                                     |
| Gene ID:         | 1950                                      |
| Uniprot ID:      | P01133                                    |
| Synonyms:        | URG;HOMG4;Epidermal Growth Factor         |
| Biology Area:    | Cancer, Cell biology, Signal transduction |

## Research Background

EGF stimulates the growth of various epidermal and epithelial tissues in vivo and in vitro and of some fibroblasts in cell culture. Magnesiotropic hormone that stimulates magnesium reabsorption in the renal distal convoluted tubule via engagement of EGFR and activation of the magnesium channel TRPM6. Can induce neurite outgrowth in

motoneurons of the pond snail *Lymnaea stagnalis* in vitro.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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