

Anti-EGF Antibody Picoband® FITC Conjugated

Catalog Number: PB9861-FITC

About EGF

EGF is known as epidermal growth factor. This gene encodes a member of the epidermal growth factor superfamily. The encoded preproprotein is proteolytically processed to generate the 53-amino acid epidermal growth factor peptide. This protein acts a potent mitogenic factor that plays an important role in the growth, proliferation and differentiation of numerous cell types. Additionally, it acts by binding with high affinity to the cell surface receptor, epidermal growth factor receptor. Defects in this gene are the cause of hypomagnesemia type 4. Dysregulation of this gene has been associated with the growth and progression of certain cancers. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed.

Overview

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| Product Name | Anti-EGF Antibody Picoband® FITC Conjugated |
| Reactive Species | Human |
| Application | Flow Cytometry |
| Clonality | Polyclonal |
| Formulation | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% NaN ₃ . |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light. |
| Host | Rabbit |
| Uniprot ID | P01133 |

Technical Details

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| Immunogen | E. coli-derived human EGF recombinant protein (Position: N971-R1023). Human EGF shares 69.8% amino acid (aa) sequence identity with both mouse and rat EGF. |
| Cross Reactivity | No cross-reactivity with other proteins. |
| Isotype | Rabbit IgG |
| Form | Liquid |
| Concentration | 0.5 mg/mL |
| Purification | Immunogen affinity purified. |
| Conjugate | FITC Excitation Wavelength: 495 nm Emission Wavelength: 525 nm |

Suggested Dilutions

Flow Cytometry, Optimal dilutions should be determined by end users.

3 Publications Citing This Product

1. PubMed ID: 28819764 , sEcad and EGF Levels Increased in Urine of Non-ferrous Metal Workers and Medium of Uroepithelial Cell Line Treated by Arsenic
2. PubMed ID: 29259644, Therapeutic Effect and Mechanism of Oxytropis falcata Gel on Deep Second-Degree Burn in Rats
3. PubMed ID: 29464186, Effect of IL-10 on the expression of HSC growth factors in hepatic fibrosis rat

Visit bosterbio.com/anti-egf-picoband-trade-antibody-pb9861-boster.html to see all 3 publications.

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