

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EGF in direct ELISAs. Detects human EGF and rat EGF in Western blots. In direct ELISAs and Western blots, no cross-reactivity with recombinant human (rh) HB-EGF or rhTGF-α is observed. In Western blots, no cross-reactivity with r
Source	Monoclonal Mouse IgG ₁ Clone # 10825
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human EGF
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Neutralization	Optimal dilution of this antibody should be experimentally determined.
Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

EGF is the prototypic member of a family of growth factors that are characterized by the presence of EGF like domains and activate members of the EGF receptor family. Proteolytic cleavage of a membrane-bound precursor releases mature soluble EGF which interacts with the EGF R to promote proliferation and differentiation of mesenchymal and epithelial cells.

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