

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse EGF in ELISAs and Western blots. In ELISAs, this antibody does not cross-react with recombinant mouse (rm) Amphiregulin, rmBetacellulin, rhEGF, rmEpigen, rmEpiregulin, rhHB-EGF, rhNRG-1α, rhNRG1-β1, or rhTGF-α.
Source	Monoclonal Rat IgG _{2A} Clone # 262930
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse EGF Asn977-Arg1029 Accession # P01132
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.

ELISA Capture (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
ELISA Detection (Matched Antibody Pair)	Optimal dilution of this antibody should be experimentally determined.
Western Blot	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

Epidermal Growth Factor (EGF) is the prototypic member of a family of growth factors that have 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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