

Technical Data Sheet

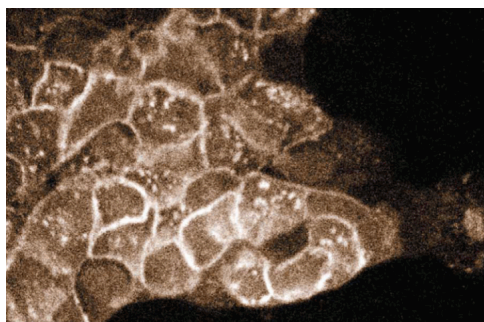
FITC Mouse Anti-EGF Receptor**Product Information**

Material Number:	612554
Size:	50 µg
Concentration:	250 µg/ml
Clone:	13/EGFR
Immunogen:	Human EGF Receptor aa. 1020-1046
Isotype:	Mouse IgG1
Reactivity:	QC Testing: Human Tested in Development: Mouse
Storage Buffer:	Aqueous buffered solution containing BSA, glycerol, and ≤0.09% sodium azide.

Description

Epidermal Growth Factor (EGF) elicits a variety of cellular responses that are initiated by EGF receptor (EGF-R) binding and activation of intrinsic tyrosine kinase activity. Following ligand binding, EGF receptor is autophosphorylated and, in turn, phosphorylates several other endogenous proteins including phospholipase C γ . These events initiate a number of intracellular responses that include increased levels of intracellular Ca²⁺ and transient expression of the nuclear oncogene products c-Myc and c-Fos.

This antibody is routinely tested by immunofluorescence. Other applications were tested at BD Biosciences Pharmingen during antibody development only or reported in the literature.



Immunofluorescent staining of A431 cells with anti-EGF Receptor antibody.

Preparation and Storage

The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Store undiluted at -20° C.

Application Notes**Application**

Immunofluorescence	Routinely Tested
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Product Notices

1. Since applications vary, each investigator should titrate the reagent to obtain optimal results.
2. Please refer to www.bdbiosciences.com/pharmingen/protocols for technical protocols.
3. Source of all serum proteins is from USDA inspected abattoirs located in the United States.
4. Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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