Phospho-EGFR (Y1068) Alexa Fluor® 488-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 338324

Catalog Number: IC3570G

100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EGF R phosphorylated at Y1068.
Source	Monoclonal Mouse IgG_{2A} Clone # 338324
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Phosphopeptide containing human EGF R Y1068 site
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2 mg/mL in a saline solution containing BSA and Sodium Azide. See Certificate of Analysis for details. *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.*

	Recommended Concentration	Sample
Intracellular Staining by Flow Cytometry	0.25-1 µg/10^6 cells	A431 human epithelial carcinoma cell line treated with Recombinant Human EGF (Catalog # 236-EG), fixed with paraformaldehyde, and permeabilized with saponin

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 receptor (EGF R, also known as ErbB1 and HER1) is the founding member of the ErbB family of receptor tyrosine kinases. Ligand binding induces receptor dimerization and autophosphorylation on multiple tyrosine residues. Phosphorylation at Tyr 1068 allows binding of the SH2 domain of the cytosolic adaptor Grb2. This binding results in Ras activation.

PRODUCT SPECIFIC NOTICES

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bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449