Phospho-EGF R/ErbB1 (Y1068) PE-conjugated Antibody

Monoclonal Mouse IgG_{2A} Clone # 338324

Catalog Number: IC3570P

100 TESTS

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EGF R phosphorylated at Y1068 in flow cytometry.
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	Phycoerythrin Excitation Wavelength: 488 nm Emission Wavelength: 565-605 nm
Formulation	Supplied 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.

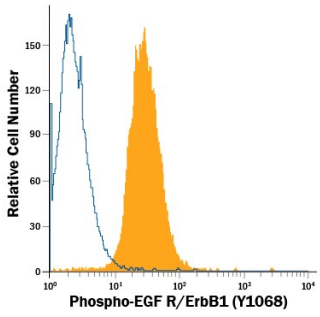
APPLICATIONS

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	10 µL/10^6 cells	See Below

DATA

Intracellular Staining by Flow Cytometry



Detection of EGF R/ErbB1 in A431 Human Cell Line by Flow Cytometry. A431 human epithelial carcinoma cell line treated with recombinant human EGF (Catalog # 236-EG) was stained with Mouse Anti-Human Phospho-EGF R/ErbB1 (Y1068) PE-conjugated Monoclonal Antibody (Catalog # IC3570P, filled histogram) or isotype control antibody (Catalog # IC003P, open histogram). To facilitate intracellular staining, cells were fixed with Flow Cytometry Fixation Buffer (Catalog # FC004) and permeabilized with Flow Cytometry Permeabilization/Wash Buffer I (Catalog # FC005). View our protocol for Staining Intracellular Molecules.

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.

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