

Human EGFR (Research Grade Cetuximab Biosimilar) Biotinylated Antibody

Recombinant Monoclonal Human IgG₁ Clone # Hu1

Catalog Number: FAB9577B

100 Tests

DESCRIPTION

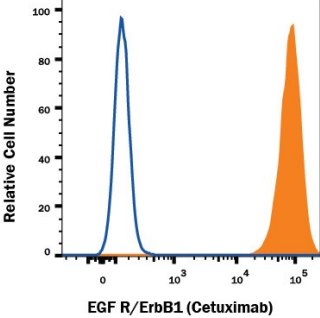
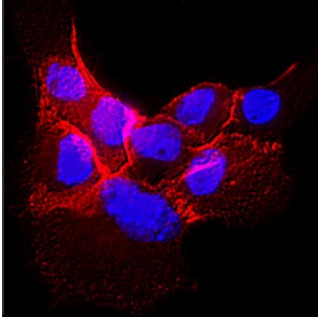
Species Reactivity	Human
Specificity	Detects human EGFR based on Cetuximab therapeutic antibody. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Cetuximab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG ₁ Clone # Hu1
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human EGF R/ErbB1
Conjugate	Biotin Excitation Wavelength: N/A nm Emission Wavelength: N/A 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
Flow Cytometry	10 μ L/10 ⁶ cells	See Below
Immunocytochemistry	8-25 μ g/mL	See Below

DATA

<p>Flow Cytometry</p>  <p>Detection of EGF R/ErbB1 in A431 human epithelial carcinoma cell line by Flow Cytometry. A431 human epithelial carcinoma cell line was stained with Human Anti-Human EGF R/ErbB1 (Research Grade Cetuximab Biosimilar) Biotinylated Monoclonal Antibody (Catalog # FAB9577B, filled histogram) or irrelevant biotinylated antibody (open histogram) followed by APC-conjugated Streptavidin (Catalog # Catalog # F0050). View our protocol for Staining Membrane-associated Proteins.</p>	<p>Immunocytochemistry</p>  <p>EGFR in A431 Human Cell Line. EGFR was detected in unfixed live A431 human epithelial carcinoma cell line using Human Anti-Human EGFR (Research Grade Cetuximab Biosimilar) Biotinylated Monoclonal Antibody (Catalog # FAB9577B) at 25 μg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Streptavidin (red; Catalog # Catalog # NL999) and counterstained with DAPI (blue). Specific staining was localized to plasma membrane and cytoplasm. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.</p>
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PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Do not freeze. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Cetuximab is a biosimilar directed against the extracellular domain of EGFR. The biotinylated antibody can be used in flow cytometry or various assay format to measure EGFR expression and can be detected by conjugated streptavidin.