

Human EGFR (Research Grade Matuzumab Biosimilar) Alexa Fluor® 488-conjugated Antibody

Recombinant Monoclonal Human IgG₁ Clone # Hu104

Catalog Number: FAB10023G

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EGFR based on Matuzumab therapeutic antibody. This non-therapeutic antibody uses the same variable region sequence as the therapeutic antibody Matuzumab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG ₁ Clone # Hu104
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Human EGFR
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
Flow Cytometry	0.25-1 µg/10 ⁶ cells	A431 human epithelial carcinoma cell line

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. <ul style="list-style-type: none"> 12 months from date of receipt, 2 to 8 °C as supplied.

BACKGROUND

Matuzumab is a biosimilar directed against the extracellular domain of EGFR. Matuzumab binds to epidermal growth factor receptor (EGFR) on the outer membrane of normal and tumor cells. The matuzumab epitope has been mapped to domain III of the extracellular domain of the EGFR.

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