

# Human EGFR (Research Grade Matuzumab Biosimilar) Alexa Fluor® 647-conjugated Antibody

Recombinant Monoclonal Human IgG<sub>1</sub> Clone # Hu104

Catalog Number: FAB10023R

## DESCRIPTION

<b>Species Reactivity</b>	Human
<b>Specificity</b>	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.
<b>Source</b>	Recombinant Monoclonal Human IgG <sub>1</sub> Clone # Hu104
<b>Purification</b>	Protein A or G purified from cell culture supernatant
<b>Immunogen</b>	Human EGFR
<b>Conjugate</b>	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
<b>Formulation</b>	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.

	<b>Recommended Concentration</b>	<b>Sample</b>
<b>Flow Cytometry</b>	0.25-1 µg/10 <sup>6</sup> cells	A431 human epithelial carcinoma cell line

## PREPARATION AND STORAGE

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

## 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.

## PRODUCT SPECIFIC NOTICES

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