



Human EGFR Monoclonal Antibody (Research Grade Matuzumab Biosimilar)

Recombinant Monoclonal Human IgG1 Clone #FB022

Catalog Number: BIO-011

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human EGFR in direct ELISA. This non-therapeutic antibody uses the same variable region sequences (VH, VL) as the therapeutic antibody Matuzumab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG1 Clone #FB022
Purification	Protein A/G purified from CHO cell culture supernatant
Immunogen	Human EGFR
Endotoxin Level	<0.10 EU per 1 µg of the antibody by the LAL method
Formulation	0.2 µm filtered solution in PBS

APPLICATION

	Recommended Concentration
Flow Cytometry	0.25 µg/10 ⁶ cells

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/ml in sterile 1xPBS
Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at -20 to -70°C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">• 12 months from the date or receipt, -20 to -70°C as supplied.• 1 month, 2 to 8°C under sterile conditions

BACKGROUND

Matuzumab is a humanized monoclonal antibody used in cancer treatment. It has a high affinity for epidermal growth factor receptor (EGFR), frequently associated with the growth of blood vessels in malignancy, facilitating tumor growth and survival. Matuzumab is used to treat cervical dysplasia/cancer, colorectal cancer, gastric cancer, and lung cancer.