



Human EGFR Monoclonal Antibody (Research Grade Cetuximab Biosimilar)

Recombinant Monoclonal Human IgG1 Clone #FB025

Catalog Number: BIO-012

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 Cetuximab. This product is for research use only.
Source	Recombinant Monoclonal Human IgG1 Clone #FB025
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

Cetuximab is a recombinant chimeric human/mouse IgG1 monoclonal antibody that competitively binds to epidermal growth factor receptor (EGFR) and competitively inhibits the binding of EGF. Cetuximab is used to treat colorectal cancer as well as squamous cell carcinoma of the head and neck.