

Anti-EGFR (Panitumumab), humanized antibody

Human Monoclonal Antibody

Catalog # ABV11760

Product Information

Application	E
Primary Accession	AAI18666
Reactivity	Human
Host	Human
Clonality	Monoclonal
Isotype	Human IgG1

Additional Information

Application & Usage	Neutralization : 1-20 μ g/ml; ELISA: 1 μ g/ml
Alias Symbol	EGFR
Other Names	Vectibix
Appearance	Colourless liquid
Formulation	100 μ g (2mg/ml) of antibody in Phosphate buffered saline, pH 7.4.
Reconstitution & Storage	-20 °C
Background Descriptions	
Precautions	Anti-EGFR (Panitumumab), humanized antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Background

Panitumumab is the human monoclonal antibody against epidermal growth factor receptor (EGFR). The EGFR is a member of a subfamily of type I receptor tyrosine kinases, including EGFR (HER1, c-ErbB-I), HER2/neu, HER3, and HER4. EGFR is a transmembrane glycoprotein that is constitutively expressed in many normal epithelial tissues, including the skin and hair follicle. Overexpression of EGFR is also detected in many human cancers, including those of the colon and rectum. Panitumumab binds specifically and selectively to the EGFR, preventing binding of activating ligands, such as the EGF and transforming growth factor- α . This binding results in blockade of the essential downstream signaling pathways that are known to govern apoptosis, proliferation and differentiation of both normal and neoplastic cell types in a wide array of tissues.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.