Anti-EGFR (Panitumumab), humanized Antibody

ALTERNATE NAMES: Vectibix

CATALOG NO.: A1050-100

AMOUNT: 100 μg

IMMUNOGEN: EGFR

ISOTYE: Human IgG2k

CLONALITY: Monoclonal

FORM: Liquid

FORMULATION: 100 μg of purified monoclonal anti-EGFR human IgG1 antibody in phosphate buffered saline, pH 7.4.

PURIFICATION: Selected human IgG2k was expressed in a human cell line. IgG was purified from CHO cell culture supernatant by protein A chromatography.

SPECIES REACTIVITY: Human

STORAGE CONDITIONS: For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

DESCRIPTION: 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-1), 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 selectivity 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.

APPLICATION: Neutralization: 1-20 μg/ml, ELISA: 1 μg/ml

Note: This information is only intended as a guide. The optimal dilutions must be determined by the user.

FOR RESEARCH USE ONLY! Not to be used on humans.