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Anti-EGFR Monoclonal Antibody SYN004

National Cancer Institute

Source

National Cancer Institute. *Anti-EGFR Monoclonal Antibody SYN004*. NCI Thesaurus. Code C121550.

A glyco-engineered monoclonal antibody directed against the receptor tyrosine kinase epidermal growth factor receptor (EGFR), with potential antineoplastic activity. Upon administration, anti-EGFR monoclonal antibody SYN004 binds to the extracellular domain of EGFR, which prevents ligand binding and the subsequent activation and dimerization of the receptor. This inhibits the activation of EGFR-mediated signaling pathways and inhibits EGFR-dependent tumor cell proliferation. EGFR, a member of the EGFR receptor tyrosine kinase family, may be overexpressed on the cell surfaces of various tumor cell types.