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# Necitumumab

National Cancer Institute

## Source

National Cancer Institute. *Necitumumab*. NCI Thesaurus. Code C88281.

A fully human IgG1 monoclonal antibody directed against the epidermal growth factor receptor (EGFR) with potential antineoplastic activity. Necitumumab binds to and blocks the ligand binding site of EGFR, thereby preventing the activation and subsequent dimerization of the receptor. This may lead to an inhibition of EGFR-dependent downstream pathways and so inhibition of EGFR-dependent tumor cell proliferation and metastasis. EGFR, a member of the epidermal growth factor family of extracellular protein ligands, may be overexpressed on the cell surfaces of various tumor cell types.