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# Anti-FLT3 Monoclonal Antibody IMC-EB10

National Cancer Institute

## Source

National Cancer Institute. *Anti-FLT3 Monoclonal Antibody IMC-EB10*. NCI Thesaurus. Code C85453.

A fully human, IgG1 monoclonal antibody directed against the FLT3 tyrosine kinase receptor (CD135) with potential antineoplastic activity. Upon binding to FLT3, anti-FLT3 monoclonal antibody IMC-EB10 blocks FLT3 ligand binding to FLT3 and subsequent FLT3 phosphorylation, which may result in the inhibition of FLT3-mediated signal transduction pathways. In addition, this agent may stimulate an anti-FLT3 antibody-dependent cell-mediated cytotoxicity (ADCC) against FLT3-expressing tumor cells, which may result in the inhibition of cellular proliferation and survival in FLT3-expressing cells. FLT3 (FLK2), a class III tyrosine kinase receptor, is overexpressed or mutated in most B lineage and acute myeloid leukemias.