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Anti-TWEAK Monoclonal Antibody RG7212

National Cancer Institute

Source

National Cancer Institute. *Anti-TWEAK Monoclonal Antibody RG7212*. NCI Thesaurus. Code C97337.

A humanized monoclonal antibody directed against the apoptotic ligand TNF-like weak inducer of apoptosis (TWEAK) with potential antineoplastic activity. Anti-TWEAK monoclonal antibody RG7212 binds to TWEAK and prevents the binding of TWEAK to its receptor, FGF-inducible molecule 14 (Fn14), thereby blocking the TWEAK/Fn14 signaling. This may prevent tumor cell proliferation, invasion, migration and angiogenesis. TWEAK has pleiotropic effects, mediating proinflammatory and pro-angiogenic activity as well as stimulation of invasion, migration, and survival mediated via its receptor Fn14; Fn14 is expressed at relatively low levels in normal tissues, but is elevated in tumor cells and locally in injured and diseased tissues.