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Anti-C-met Monoclonal Antibody SAIT301

National Cancer Institute

Source

National Cancer Institute. *Anti-C-met Monoclonal Antibody SAIT301*. NCI Thesaurus. Code C119619.

A humanized monoclonal antibody targeting the alpha chain of the extracellular domain of human hepatocyte growth factor receptor (HGFR or c-Met), with potential antineoplastic activity. Anti-c-Met monoclonal antibody SAIT301 binds to c-Met, thereby preventing both binding of its ligand, HGF, and the subsequent activation of the HGF/c-Met signaling pathway. In addition, SAIT301 induces c-MET internalization and subsequent degradation, which further inhibits c-Met-mediated signaling. This leads to a reduction in the proliferation of c-Met-expressing cancer cells. c-Met, a proto-oncogene receptor tyrosine kinase overexpressed in certain cancer cell types, is involved in various tumors.