

XmAb5485

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Store at low temperature
Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	XmAb5485 is a humanized anti-CD40 monoclonal antibody engineered with an Fc domain modification, exhibiting high affinity for Fc-γ receptors. It effectively induces antibody-dependent cell-mediated cytotoxicity (ADCC) and antibody-dependent cellular phagocytosis (ADCP) against tumor cells. Additionally, XmAb5485 suppresses tumor cell proliferation and triggers apoptosis. This compound demonstrates pronounced cytotoxicity against lymphoma, leukemia, multiple myeloma cell lines, and primary cancer cells.
Targets(IC50)	Apoptosis,TNF
In vitro	XmAb5485 exhibits significant antibody-dependent cellular phagocytosis (ADCP) in Ramos cells. Additionally, it suppresses the proliferation and induces apoptosis of various primary patient-derived CLL, MCL cells, and plasma cell leukemia cells through antibody-dependent cell-mediated cytotoxicity (ADCC).
In vivo	XmAb5485 (6 mg/kg) successfully cured 80% of mice with detectable tumors and demonstrated significant antitumor activity in a mouse model with established large-volume (210-350 mm ³) subcutaneous Ramos xenograft tumors.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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