

Anti-CD59 Antibody

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	Anti-CD59 Antibody is a humanized monoclonal antibody targeting CD59 (Protectin/MAC-IP). CD59 is a GPI-anchored complement regulatory protein widely expressed on cell surfaces. It protects host cells from complement-mediated lysis by binding to complement components C8 and C9, thereby preventing the final assembly of the Membrane Attack Complex (MAC/C5b-9). CD59 is often overexpressed in various solid tumors and hematologic malignancies, enabling tumor cells to evade immune surveillance. This antibody specifically binds to CD59, blocking its inhibition of MAC assembly to restore tumor cell sensitivity to complement and induce potent Complement-Dependent Cytotoxicity (CDC). It serves as a critical tool for investigating tumor immune evasion and developing enhanced complement-based immunotherapies.
Targets(IC50)	Transmembrane Glycoprotein

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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