

## Anti-CD19 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-CD19 Antibody (Tafasitamab) is an Fc-engineered humanized monoclonal antibody that specifically targets the CD19 antigen on B lymphocytes. The compound mediates potent antibody-dependent cellular cytotoxicity (ADCC) and antibody-dependent cellular phagocytosis (ADCP) by enhanced binding to Fcγ receptors on effector cells, thereby directly inducing cell death and depleting malignant B cells. It serves as a pharmacological tool for investigating diffuse large B-cell lymphoma (DLBCL) and other B-cell malignancies. |
| Targets(IC50) | Immunology/Inflammation related   |
| In vitro      | In cytotoxicity assays using lymphoma cell lines (Raji, Ramos), Anti-CD19 Antibody demonstrated superior potency compared to non-engineered antibodies, mediating robust ADCC (EC50: 0.9-4.3 pM) and ADCP [1].  |
| In vivo       | In Raji lymphoma xenograft models, systemic administration of Anti-CD19 Antibody caused dose-dependent tumor regression and significantly prolonged survival compared to control antibodies [1].  |

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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