

Anti-Mouse CD32/CD16 Antibody (2.4G2)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 150 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-Mouse CD32/CD16 Antibody (2.4G2) is a monoclonal inhibitory antibody against mouse CD16/CD32. Its core function is to block Fcγ receptor-mediated immune responses. By inhibiting the binding of CD16 to FcγRs, it effectively reduces foam cell formation and is widely used in research on atherosclerosis and autoimmune hematological diseases.
Targets(IC50)	Immunology/Inflammation related
In vitro	Anti-Mouse CD32/CD16 Antibody (2.4G2) can significantly inhibit the binding of MDALDL to J774 cells; after 24 hours of treatment, this antibody can also significantly reduce foam cell production by blocking FcγRs in RAW264.7 cells [1]. When the concentration of Anti-Mouse CD32/CD16 Antibody (2.4G2) is 0.01 mg/mL, treatment for 6 days can inhibit the formation of antibody-secreting cells (ASCs) and downregulate the levels of T cell cytokines such as IFN-γ, IL-10 and TNF-α in splenic T cells of F8-/- mice, while treatment for 4 days can interfere with the uptake and presentation of FVIII immune complexes by splenic B cells of F8-/- mice [2].
In vivo	Anti-Mouse CD32/CD16 Antibody (2.4G2), administered as a single intravenous injection at a dose of 8 μg/g and given 1 hour before MAb 6A6 injection, can effectively inhibit the platelet clearance rate in γ-/- mice [3]. Anti-Mouse CD32/CD16 Antibody (2.4G2), administered as a single intraperitoneal injection at a dose of 100 μg and given 24 hours before MWRReg30 injection, can reverse the pathological effects induced by the rat Anti-Mouse platelet MWRReg30 in NMRI mice [4].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0067 mL	0.0333 mL	0.0667 mL
5 mM	0.0013 mL	0.0067 mL	0.0133 mL
10 mM	0.0007 mL	0.0033 mL	0.0067 mL
50 mM	0.0001 mL	0.0007 mL	0.0013 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481