

Anti-Mouse CD11b Antibody (M1/70)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 147.31 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-Mouse CD11b Antibody (M1/70) is a rat-derived antibody targeting mouse CD11b that can significantly inhibit the adhesion between dendritic cells (DCs) and platelets, kill ovarian cancer cells and suppress their migration, as well as alleviate renal fibrosis and inflammation. This antibody can be used in the research of inflammatory diseases and cancers, such as ischemia-reperfusion injury (IRI), thrombotic inflammatory diseases and ovarian cancer .
Targets(IC50)	Complement System,Integrin
In vitro	Anti-Mouse CD11b Antibody (M1/70) (10 µg/mL, 30 minutes) significantly inhibited the adhesion of bone marrow-derived dendritic cells (bmDCs) to immobilized platelets [2]; this antibody (5-10 µg/mL, 24 hours) markedly killed epithelial ovarian cancer (EOC) cells [3]; at 5-15 µg/mL for 36 hours, it dose-dependently suppressed the migration of SKOV-3 and MDAH-2774 cells [3].
In vivo	Anti-Mouse CD11b Antibody (M1/70) (2.5 mg/kg, intraperitoneal injection, once every 2 days for 14 days) significantly reduced renal fibrosis and inflammation in male C57BL/6J mice with ischemia-reperfusion injury (IRI) [1]. Anti-Mouse CD11b Antibody (M1/70) (50 µg, intravenous injection, single dose) significantly inhibited the adhesion of DC cells to injured blood vessels in wild-type C57BL/6 mice in the carotid artery ligation model [2]. Anti-Mouse CD11b Antibody (M1/70) (60 µg, intratumoral injection, once daily for 5 consecutive days) significantly inhibited tumor growth in female Nude-Oxn1nu mice bearing SKOV-3 tumors [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0339 mL	0.0679 mL
5 mM	0.0014 mL	0.0068 mL	0.0136 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 mL
50 mM	0.0001 mL	0.0007 mL	0.0014 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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