

Anti-Mouse GM-CSF Antibody (MP1-22E9)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 142.44 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-Mouse GM-CSF Antibody (MP1-22E9) is a rat-derived inhibitory antibody against mouse GM-CSF that can specifically neutralize the GM-CSF factor. This antibody can be widely applied in research fields of cancer, infectious diseases, inflammatory diseases and immunology, including the research directions of cholangiocarcinoma, arthritis and others.
Targets(IC50)	c-Fms
In vitro	After 72 hours of treatment with Anti-Mouse GM-CSF Antibody (MP1-22E9), the cell viability of bone marrow-derived macrophages was significantly reduced[1]. Treatment with Anti-Mouse GM-CSF Antibody (MP1-22E9) at a concentration of 10 µg/mL for 30 minutes effectively promoted the differentiation and migration of myeloid-derived suppressor cells[5].
In vivo	<p>Intraperitoneal injection of Anti-Mouse GM-CSF Antibody (MP1-22E9) at a dose of 30 mg/kg once every 2 days for 4 weeks effectively inhibited tumor progression and prolonged the survival time of mice in a spontaneous intrahepatic cholangiocarcinoma mouse model[1].</p> <p>Intraperitoneal injection of Anti-Mouse GM-CSF Antibody (MP1-22E9) at a dose of 800 µg on Mondays and Thursdays each week for 2 weeks reduced the level of angiogenesis in L2/IKKβca mice[2].</p> <p>In a mouse model of spondyloarthritis, intraperitoneal injection of Anti-Mouse GM-CSF Antibody (MP1-22E9) at a dose of 250 µg inhibited myeloid hematopoiesis in the bone marrow and organ inflammation under two administration regimens: Regimen 1 involved administration one day before dextran injection, followed by twice a week for 7 weeks. Regimen 2 involved administration on the 9th day after disease induction, followed by twice a week until the 28th day[3].</p> <p>Intraperitoneal injection of Anti-Mouse GM-CSF Antibody (MP1-22E9) at a dose of 200 µg once every 3 days suppressed the anti-tumor immune response in B16F10-OVA tumor-bearing mice by neutralizing the GM-CSF factor[4].</p> <p>In HM-1 tumor-bearing mice, intraperitoneal injection of Anti-Mouse GM-CSF Antibody (MP1-22E9) at a dose of 100 µg twice a week exhibited significant anti-tumor activity[5].</p> <p>For a mouse model of Clostridioides difficile infection, intraperitoneal injection of Anti-Mouse GM-CSF Antibody (MP1-22E9) at a dose of 250 µg, initiated one day before infection and administered once every other day for a total of 3 doses, exerted a</p>

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In vivo	significant anti-infective effect[6].
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.007 mL	0.0351 mL	0.0702 mL
5 mM	0.0014 mL	0.007 mL	0.014 mL
10 mM	0.0007 mL	0.0035 mL	0.007 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.

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