

Anti-Mouse PD-1 Antibody (J43)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 148.39 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-Mouse PD-1 Antibody (J43) is an inhibitory antibody derived from Armenian hamsters, with its target being mouse PD-1. This antibody can effectively block the interaction between PD-1 and PD-L1, and is widely used in cancer and immunology-related research, including research directions such as breast cancer and colon cancer.
Targets(IC50)	PD-1/PD-L1
In vivo	<p>Anti-Mouse PD-1 Antibody (J43) administered intratumorally at a dose of 10 µg (once each on day 0 and day 3) can effectively inhibit tumor growth and prolong the survival period of mice in the MCA tumor model[1].</p> <p>In the B16F10 or Colon 26 tumor mouse model, the combined use of Anti-Mouse PD-1 Antibody (J43) (200 µg, intraperitoneally injected on days 4, 8, 14, and 18) and anti-CD4 antibody can achieve tumor growth inhibition[2].</p> <p>When Anti-Mouse PD-1 Antibody (J43) is administered by intraperitoneal injection (500 µg/mouse on day 14, and 250 µg/mouse every other day from day 16 to day 32), it induces fatal hypersensitivity in the inflammatory 4T1 breast cancer model[3].</p> <p>In the ID8 tumor-bearing mouse model, the combined administration of Anti-Mouse PD-1 Antibody (J43) (200 µg, intraperitoneally injected twice a week for 2 weeks) with R428 or SGI-7079 can significantly improve the survival rate of mice[4].</p>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0067 mL	0.0337 mL	0.0674 mL
5 mM	0.0013 mL	0.0067 mL	0.0135 mL
10 mM	0.0007 mL	0.0034 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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