

Anti-Mouse PD-1 Antibody (29F.1A12)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 144.38 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 (29F.1A12), a rat-derived antibody targeting PD-1, can specifically block the binding of PD-1 to its ligands PD-L1 and PD-L2. Based on this mechanism of action, it is widely applicable to research in cancer and immunology, including studies on the CT26 tumor model and pancreatic cancer research. Its isotype control is Rat IgG2a kappa Isotype Control.
Targets(IC50)	PD-1/PD-L1
In vitro	Anti-Mouse PD-1 Antibody (29F.1A12) (10 µg/mL for 7 days), when used in combination with an anti-CTLA-4 antibody, significantly promotes the secretion of the IFN-γ cytokine and upregulates the expression level of Ki-67 in CD8+CTLA-4+PD-1+ tumor-infiltrating lymphocytes derived from CT26 tumors [1].
In vivo	Anti-Mouse PD-1 Antibody (29F.1A12), administered intraperitoneally at a dose of 200 µg on days 10, 13 and 16, induced tumor regression in CT26/ID8-VEGF tumor-bearing mice when combined with an anti-CTLA-4 antibody [1]. Anti-Mouse PD-1 Antibody (29F.1A12), given intraperitoneally at 100 µg on days 1, 3 and 5 after BRAF inhibitor administration, delayed tumor growth and improved survival rates in BP tumor-bearing mice when used in combination with a BRAF inhibitor [2]. Anti-Mouse PD-1 Antibody (29F.1A12), administered intraperitoneally at 200 µg on days 4, 7 and 10, protected pancreatic cancer-bearing mice against primary pancreatic cancer and hepatic metastasis when combined with a PRIP1 inhibitor [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0346 mL	0.0693 mL
5 mM	0.0014 mL	0.0069 mL	0.0139 mL
10 mM	0.0007 mL	0.0035 mL	0.0069 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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