

Anti-Mouse PD-1/CD279 (D265A) Antibody (29F.1A12)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 145.5 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/CD279 (D265A) Antibody (29F.1A12) is a rat-derived inhibitory antibody that targets mouse PD-1 and blocks its binding to both PD-L1 and PD-L2 ligands. It is suitable for cancer and immunology research, including CT26 tumors and pancreatic cancer models .
Targets(IC50)	PD-1/PD-L1
In vitro	Anti-Mouse PD-1/CD279 (D265A) Antibody (29F.1A12) (10 µg/mL, 7 days), when combined with anti-CTLA-4, increases the production of IFN-γ cytokine and the expression of Ki-67 in CD8+CTLA-4+PD-1+ tumor-infiltrating lymphocytes from CT26 tumors [1].
In vivo	Anti-Mouse PD-1/CD279 (D265A) Antibody (29F.1A12) (200 µg, intraperitoneal injection on days 10, 13 and 16) combined with anti-CTLA-4 induces tumor regression in CT26/ID8-VEGF tumor-bearing mice [1]. Anti-Mouse PD-1/CD279 (D265A) Antibody (29F.1A12) (100 µg, intraperitoneal injection on days 1, 3 and 5 after BRAF inhibitor administration) combined with a BRAF inhibitor inhibits tumor growth and prolongs survival in BP tumor-bearing mice [2]. Anti-Mouse PD-1/CD279 (D265A) Antibody (29F.1A12) (200 µg, intraperitoneal injection on days 4, 7 and 10) combined with a PRIP1 inhibitor protects mice against primary pancreatic cancer and liver metastasis [3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0344 mL	0.0687 mL
5 mM	0.0014 mL	0.0069 mL	0.0137 mL
10 mM	0.0007 mL	0.0034 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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