

Anti-Mouse CD28 Antibody (D665)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 144.06 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-Mouse CD28 Antibody (D665) is a mouse-derived agonistic antibody targeting CD28 that can effectively induce T cell activation and has broad research value in fields such as neurological diseases, inflammation, immunology, and oncology. It can be applied to studies on the mechanisms and interventions of Parkinson's disease (PD), arthritis, and graft-versus-host disease (GVHD).
Targets(IC50)	Immunology/Inflammation related
In vivo	<p>Anti-Mouse CD28 Antibody (D665) (200 µg, intraperitoneal injection on day 7) alleviated motor dysfunction, reduced dopaminergic neuronal apoptosis in the substantia nigra, and suppressed inflammatory responses in a mouse model of Parkinson's disease (PD) induced by αSyn [1].</p> <p>Anti-Mouse CD28 Antibody (D665) (100 µg, intraperitoneal injection on day 7) reduced the severity of arthritis in a mouse model induced by glucose-6-phosphate isomerase (G6PI) [2].</p> <p>Anti-Mouse CD28 Antibody (D665) (250 µg, intraperitoneal injection 3 days before isolation of splenic CD4+ cells) prevented graft-versus-host disease in BALB/c mice transplanted with CD4+ cells from C57BL/6 mice [3].</p> <p>Anti-Mouse CD28 Antibody (D665) (250 µg, intraperitoneal injection 3 days before isolation of T cells from total splenocytes) prolonged the survival of mice with T cell-transferred BCL lymphoma [3].</p> <p>Anti-Mouse CD28 Antibody (D665) (50 µg/mouse, intraperitoneal injection 3 days before tMCAO) increased the proportion of regulatory T (Treg) cells and exacerbated thrombotic inflammation and ischemic neurodegeneration in a mouse model of transient middle cerebral artery occlusion (tMCAO) [4].</p>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0069 mL	0.0347 mL	0.0694 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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