

Anti-Mouse IFN gamma Antibody (H22)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 146 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-Mouse IFN gamma Antibody (H22) is an IFN- γ -targeting inhibitory antibody raised in Armenian hamsters against mouse IFN- γ that interferes with the specific binding of 125 I-rIFN- γ to macrophages, exerts an inhibitory effect on macrophage-activating factor (MAF) activity and IFN- γ -dependent antiviral activity with an ID ₅₀ of 56 ng and 2 ng, respectively, and is also capable of neutralizing endogenous IFN- γ in mice. H22 antibody is commonly employed in research on inflammatory and infectious diseases, including the pathological mechanism investigation of arthritis.
Targets(IC50)	IFNAR
In vitro	Incubation with Anti-Mouse IFN gamma Antibody (H22) for 1 h potently inhibited macrophage-activating factor (MAF) activity and antiviral effects, with an ID ₅₀ of 56 ng and 2 ng, respectively[4]. Treatment with Anti-Mouse IFN gamma Antibody (H22) at an ID ₅₀ of 50 ng for 2 h effectively abrogated the specific binding of 125 I-rIFN gamma to macrophages[4].
In vivo	Administration of Anti-Mouse IFN gamma Antibody (H22) at a dose of 200 μ g on days 0, 4, 11, and 18 (5 total administrations) neutralized IFN gamma in mice[1]. Administration of Anti-Mouse IFN gamma Antibody (H22) at 250 μ g on days 0, 6, 13, 21, 28, 35, and 40 (7 total administrations) significantly increased the number of arthritic limbs in a collagen-induced arthritis mouse model[2]. Intraperitoneal injection of Anti-Mouse IFN gamma Antibody (H22) at 100 μ g, initiated 5 hours prior to cell transplantation and administered once weekly, completely abrogated the protective effect of Lyt-2 ⁺ immune T cells against Toxoplasma gondii infection in mice[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0068 mL	0.0342 mL	0.0685 mL
5 mM	0.0014 mL	0.0068 mL	0.0137 mL
10 mM	0.0007 mL	0.0034 mL	0.0068 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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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481