

Anti-Mouse/Rat/Human CCL2/MCP-1 Antibody (2H5)

Chemical Properties

CAS No. :

Formula:

Molecular Weight: 150 kDa

Store at low temperature

Storage: Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Anti-Mouse/Rat/Human CCL2/MCP-1 Antibody (2H5) is a monoclonal antibody targeting mouse/human/rat CCL2/MCP-1, capable of blocking the CCL2 signalling pathway, reversing the immunosuppressive microenvironment, enhancing chemotherapy sensitivity, reducing macrophage infiltration, and inhibiting latent HIV seeding. It is applicable for studying inflammatory diseases, viral infections, and cancers such as inflammatory bowel disease (IBD) and hepatocellular carcinoma (HCC).
Targets(IC50)	HIV Protease,CCR
In vitro	<p>After 16 hours of treatment with Anti-Mouse/Rat/Human CCL2/MCP-1 Antibody (2H5) (5 µg/mL), the migration of THP-1 cells toward the infected enteroid-derived monolayer (EDM) was significantly reduced [1].</p> <p>At a concentration of 10 µg/mL for 24 hours, Anti-Mouse/Rat/Human CCL2/MCP-1 Antibody (2H5) significantly attenuated the promotion effect of mesenchymal stromal/stem cells (MSCs) on interferon-gamma (IFN-γ) secretion by natural killer (NK) cells [2].</p> <p>By knocking out LILRB4 in BV2 cells, Anti-Mouse/Rat/Human CCL2/MCP-1 Antibody (2H5) inhibited the recruitment of CD8+ T cells [3].</p>
In vivo	<p>In the DEN- and CCL4-induced hepatocellular carcinoma model, the combined use of Anti-Mouse/Rat/Human CCL2/MCP-1 Antibody (2H5) (8 mg/kg, intraperitoneal injection, 4 times per week, weeks 18-24) with BLZ945 significantly reduced tumor burden [4].</p> <p>For HIV-infected TKO-BLT mice, treatment with Anti-Mouse/Rat/Human CCL2/MCP-1 Antibody (2H5) (100-200 µg, intraperitoneal injection, every 48 hours for 12 days) significantly decreased HIV viral load [5].</p>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.0067 mL	0.0333 mL	0.0667 mL
5 mM	0.0013 mL	0.0067 mL	0.0133 mL
10 mM	0.0007 mL	0.0033 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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