

Anti-Mouse IL-2 Antibody (S4B6-1)

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 IL-2 Antibody (S4B6-1) is a monoclonal inhibitory antibody targeting mouse interleukin-2. It can reduce the level of CD4+ T cells, upregulate the proportion of regulatory T cells (Tregs), and induce Th17 cell differentiation. It is suitable for mechanism studies related to tumors such as melanoma. |
| Targets(IC50) | IL Receptor |
| In vitro | Anti-Mouse IL-2 Antibody (S4B6-1) induces Th17 cell differentiation at 10 µg/mL for 72 hours [2]. |
| In vivo | Anti-Mouse IL-2 Antibody (S4B6-1) (100 µg, intraperitoneal injection, every 3 days) in combination with IL-2 monoclonal antibody (JES6-1A12) promotes tumor growth and reduces survival rate in female C57BL/6J mice bearing B16F10 tumors [1]. Anti-Mouse IL-2 Antibody (S4B6-1) (150 µg, intraperitoneal injection, every 3 days for 2 weeks) reduces the number of central regulatory T cells (cTregs) in C57BL/6 mice bearing B16.Flt3L tumors [3]. |

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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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