

## Anti-Mouse IL-2 Antibody (JES6-1A12)

## 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 (JES6-1A12) is a monoclonal inhibitory antibody against mouse IL-2. It inhibits Treg cell expansion, enhances Th1 response, and forms complexes with IL-2, mostly used in research on infectious diseases such as malaria.
Targets(IC50)	IL Receptor
In vitro	Anti-Mouse IL-2 Antibody (JES6-1A12), under the conditions of 0.2 µg/mL and 72 h treatment, can significantly inhibit the proliferation of CD4 <sup>+</sup> T cells in the chronic infection phase, but has no significant inhibitory effect in the acute infection phase [1].
In vivo	Anti-Mouse IL-2 Antibody (JES6-1A12), administered intraperitoneally at 1 mg per mouse per day on days 0, 2, and 4, can significantly reduce the parasitemia level in female C57BL/6 mice infected with Plasmodium chabaudi AS [1]. When Anti-Mouse IL-2 Antibody (JES6-1A12) is mixed with IL-2 at a molar ratio of 2:1 and administered intraperitoneally for 3 consecutive days, it can form a complex, significantly increase the sensitivity of C57BL/6 mice to LPS, promote T cell expansion, and increase the number of CD11b <sup>+</sup> CD14 <sup>+</sup> cells in the spleen and blood [2].

## 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.

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