

Product Data Sheet

Cat # AB-10210

Mouse Anti Human Interleukin-2 IgG

Size: 100ug

Synonyms:

T-cell growth factor (TCGF), Aldesleukin, Lymphokine, IL-2.

Type:

Mouse Anti Human Monoclonal

Introduction:

IL2 is a secreted cytokine that is important for the proliferation of T and B lymphocytes. The receptor of this cytokine is a heterotrimeric protein complex whose gamma chain is also shared by interleukin 4 (IL4) and interleukin 7 (IL7). The expression of this gene in mature thymocytes is monoallelic, which represents an unusual regulatory mode for controlling the precise expression of a single gene. The targeted disruption of a similar gene in mice leads to ulcerative colitis-like disease, which suggests an essential role of this gene in the immune response to antigenic stimuli. Direct ELISA, Western Blot, Immunoprecipitation, immunohistochemistry, blocking T cell proliferation. A certain degree of functional cross reactivity with murine IL-2 was reported by some investigators

Immunogen:

Recombinant Human IL-2

Ig Subclass:

Mouse IgG2a; purification by ion exchange column; 1mg/mL after reconstitution; Reconstitute with sterile H2O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.

Storage Procedures:

In lyophilized form, for long periods, store at 4°C in a dry environment. After reconstitution, if not intended for use within a month, aliquot and store at -20°C. Two years lyophilized, one month in solution at 4°C. Antibody is shipped lyophilized at ambient temperature.

Titer:

By direct ELISA: 1:10,000 dilution will yield 0.4 O.D using alkaline phosphatase conjugated rabbit anti-mouse Ig (Jackson Laboratories). 1:50 dilution will block 70-80% of CTLL proliferative response to 50 units of r.human IL-2.

Rev. 101001V

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