

Mouse Anti-rat IL-2 (clone 7H11 AB7) Affinity Purified mAb

Catalog No. CMI163 **Quantity:** 500 µg

Description: Mouse Anti-rat IL2, Clone 7H11 AB7 Affinity Purified monoclonal antibody. The protein encoded by this gene 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.

Concentration: 1.0 mg/mL

Gene ID: 116562

Purity: > 95% by SDS PAGE

Specificity: Recognizes native and recombinant rat IL-2

Host: Mouse

Immunogen: Full length recombinant rat IL-2 expressed in *E. coli*

Isotype: IgG1

Clone: 7H11 AB7

Formulation: PBS, pH 7.2 with 0.1% sodium azide.

Purification: Protein A/G affinity chromatography

Applications: Flow cytometry, Immunoprecipitation, Western blot, ELISA

Application Notes: Recommended starting concentration for ELISA as a capture antibody is 5µg/ml. The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Store at 2-8°C for up to one month. **For long term storage**, prepare working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

Accession: P17108

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