

## 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 affinity chromatography

**Applications:** Flow cytometry, Immunoprecipitation, Western blot, ELISA

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

**Storage & Stability:** Store at 2-8°C for immediate use up to 1 month. For long term storage, prepare working aliquots and store at -20°C to -80°C. **Avoid repeated freeze/thaw cycles.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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