

## Product datasheet for PP009P2

### IL2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	<u>Neutralization:</u> To yield one-half maximal inhibition [ND50] of the biological activity of mIL-2 (2.0 ng/ml), a concentration of 0.04-0.05 µg/ml of this antibody is required. <u>ELISA:</u> (Indirect): To detect mIL-2 by indirect ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant mIL-2. (Sandwich): To detect mIL-2 by sandwich ELISA (using 100 µl/well antibody solution) a concentration of 0.5-2.0 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with Biotinylated Anti-Murine IL-2 (PP009B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant mIL-2. <u>Western Blot:</u> To detect mIL-2 by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 µg/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant mIL-2 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant mIL-2
Specificity:	Detects Murine IL-2
Formulation:	PBS, pH 7.2 without preservatives State: Aff - Purified State: Lyophilized sterile filtered Ig fraction
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity chromatography
Conjugation:	Unconjugated



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<b>Storage:</b>	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
<b>Stability:</b>	Shelf life: One year from despatch.
<b>Gene Name:</b>	interleukin 2
<b>Database Link:</b>	<a href="#">Entrez Gene 16183 Mouse P04351</a>
<b>Background:</b>	Interleukin 2 (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. IL2 has been shown to have antitumor effects in some studies. This is probably mediated by cytotoxic effector cells.
<b>Synonyms:</b>	IL-2, TCGF
<b>Note:</b>	Centrifuge vial prior to opening!