

## Product datasheet for **AP01137PU-S**

### IL2 Goat Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	Neutralisation: To yield one-half maximal inhibition [ND50] of the biological activity of hIL-2 (2.0 ng/ml), a concentration of 0.12 - 0.16 µg/ml of this antibody is required. ELISA: Indirect: To detect hIL-2 (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. In conjunction with compatible secondary reagents, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-2. Sandwich: To detect hIL-2 (using 100 µl/well antibody solution) a concentration of 0.5 - 2.0 µg/ml of this antibody is required. In conjunction with Biotinylated Anti-Human IL-2 as a detection antibody, it allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-2. Western blot: To detect hIL-2 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 hIL-2 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions. Immunohistochemistry: Formalin-fixed, paraffin-embedded sections. The recommended concentration is 0.5 µg/mL with an overnight incubation at 4 °C. Heat induced antigen retrieval with pH 6.0 sodium citrate buffer is recommended.
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Immunogen:	Highly pure (> 98 %) recombinant human IL-2
Specificity:	This antibody detects Interleukin-2.
Formulation:	PBS, pH 7.2 State: Aff - Purified State: Sterile filtered lyophilized Ig fraction
Reconstitution Method:	Centrifuge vial prior to opening. Restore in sterile water to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Immunoaffinity chromatography
Conjugation:	Unconjugated



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**Storage:** Store the lyophilized antibody at -20 °C. Following reconstitution it is stable for two weeks at 2 - 8 °C. Frozen aliquots are stable for 6 months when stored at -20 °C. Avoid repeated freezing and thawing.

**Stability:** Shelf life: One year from despatch.

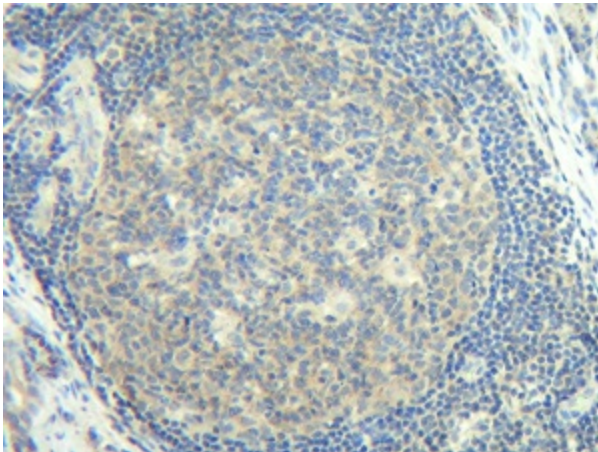
**Gene Name:** interleukin 2

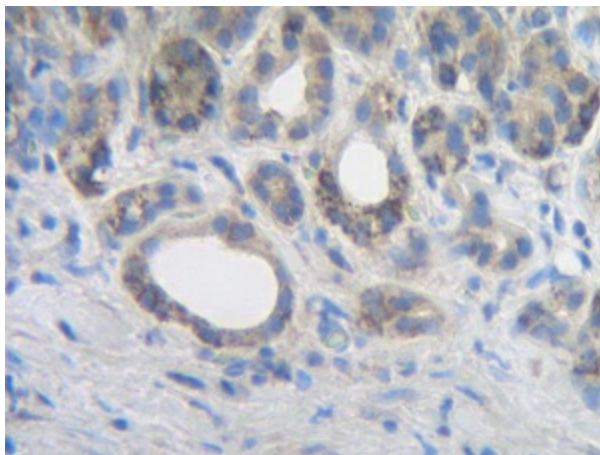
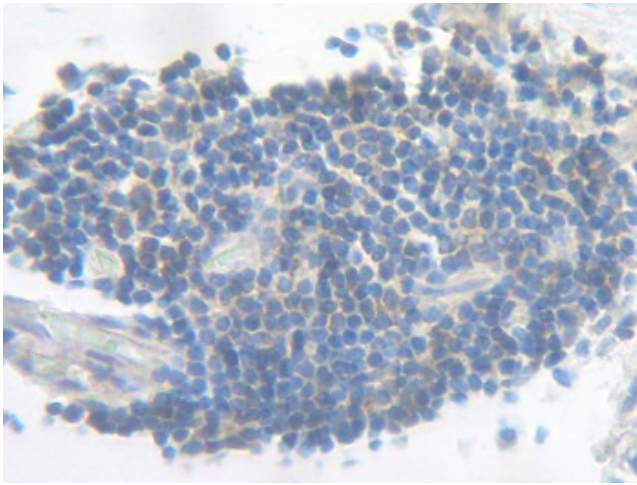
**Database Link:** [Entrez Gene 3558 Human P60568](#)

**Background:** 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.

**Synonyms:** IL-2, TCGF

### Product images:





Immunohistochemistry. This Interleukin-2 antibody stained formalin-fixed, paraffin-embedded sections of human breast invasive ductal carcinoma. The recommended concentration is 0.5  $\mu\text{g}/\text{mL}$  with an overnight incubation at 4 °C. An HRP-labeled polymer detection system was used with a DAB chromogen. Heat induced antigen retrieval with a pH 6.0 sodium citrate buffer is recommended. Optimal concentrations and conditions may vary. Tissue samples were provided by the Cooperative Human Tissue Network, which is funded by the National Cancer Institute.