



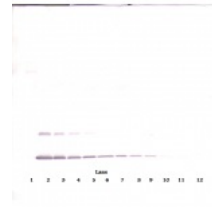
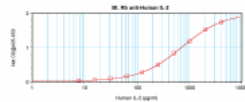
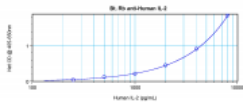
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IL-2 Antibody (biotin)

CATALOG NUMBER: XP-5181Bt



To detect hIL-2 by direct ELISA (using 100 ul/well antibody solution) a concentration of 0.25 – 1.0 ug/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with compatible secondary reagents, allows the detection of at least 0.2 – 0.4 ng/well of recombinant hIL-2.

To detect hIL-2 by sandwich ELISA (using 100 ul/well antibody solution) a concentration of 0.25 – 1.0 ug/ml of this antibody is required. This biotinylated polyclonal antibody, in conjunction with ProSci's Polyclonal Anti-Human IL-2 (XP-5181) as a capture antibody, allows the detection of at least 0.2 – 0.4 ng/well of recombinant hIL-2.

To detect hIL-2 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/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.

Specifications

SPECIES REACTIVITY: Human

TESTED APPLICATIONS: ELISA, WB

APPLICATIONS: ELISA:

To detect hIL-2 by direct ELISA (using 100 uL/well antibody solution) this antibody can be used at a concentration of 0.15 - 0.30 ug/mL. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 ng/well of recombinant hIL-2.

Sandwich:

To detect hIL-2 by sandwich ELISA (using 100 uL/well antibody solution) a concentration of 0.25 - 1.0 ug/mL of this antibody is required. This biotinylated polyclonal antibody, in conjunction with our Polyclonal Anti-Human IL-2 (XP-5181) as a capture antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant hIL-2.

Western Blot:

To detect hIL-2 by Western Blot analysis this antibody can be used at a concentration of 0.1 - 0.2 ug/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.

USER NOTE: Centrifuge vial prior to opening.

IMMUNOGEN: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant hIL-2 (human IL-2).

HOST SPECIES: Rabbit

Properties

PURIFICATION: Anti-hIL-2 specific antibody was purified by affinity chromatography and then biotinylated.

PHYSICAL STATE: Lyophilized

STORAGE CONDITIONS: IL-2 antibody is stable for at least 2 years from date of receipt at -20°C. The reconstituted antibody is stable for at least two weeks at 2-8°C. Frozen aliquots are stable for at least 6 months when stored at -20°C. Avoid repeated freeze-thaw cycles.

CLONALITY: Polyclonal

CONJUGATE: Biotin

Additional Info

ALTERNATE NAMES: IL-2, TCGF, lymphokineInterleukin-2, T-cell growth factor, IL-2

ACCESSION NO.: P60568

PROTEIN GI NO.: 45593462

OFFICIAL SYMBOL: IL2

GENE ID: 3558

Background

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.

FOR RESEARCH USE ONLY

October 22, 2017