



Anti-Human IL-2

20150223ML



FOR RESEARCH ONLY! NOT FOR HUMAN USE!

Cat.-no.:	102-P148G
Size:	100 µg
Lot. No.:	According to product label

Preparation: Produced from sera of goats pre-immunized with highly pure (>98%) recombinant hIL-20 (human Interleukin-20). Anti-hIL 20 specific antibody was purified by affinity chromatography employing immobilized hIL-20 matrix.

Target Background

Synonyms (Target):	IL2; IL-2; TCGF; lymphokine
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Interleukin 2 (IL-2) was initially identified as a T cell growth factor that is produced by T cells following activation by mitogens or antigens. Since then, it has also been shown to stimulate the growth and differentiation of B cells, natural killer (NK) cells, lymphocyte activated killer (LAK) cells, monocytes/macrophages and oligodendrocytes. At the amino acid sequence level, there is approximately 60% - 90% similarity between species. Mature human IL-2 shows 65%, 67%, 72%, 78%, and 64% aa identity to mouse, rat, pig, cat, and cow IL-2, respectively.

Database References Target

Protein RefSeq:	NP_000577
Uniprot ID:	P60568
mRNA RefSeq:	NM_000586

Product Specifications

Species reactivity	Human
Clone/Ab feature	Goat IgG
Cross reactivity	Human
Host	Goat
Clonality	Polyclonal Antibody
Purification	Antigen-affinity purified
Immunogen	recombinant human IL-2
Formulation	lyophilized from PBS
Reconstitution buffer	water

Reconstitution: Reconstitute the antibody in sterile water to a concentration of 0.1 - 1.0 mg/ml.

Stability: The lyophilized 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 AND THAW CYCLES!

Applications

Western Blot: To detect hIL-20 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 hIL-20 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

ELISA: To detect hIL-20 by direct ELISA (using 100µl/well antibody solution) a concentration of at least 0.5µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2 - 0.4 ng/well of recombinant hIL-20.

NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!