



# Anti-Mouse IL-22

20150223ML



**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>103-P78</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** Produced from sera of goats pre-immunized with highly pure (98%) recombinant murine IL-22. Anti-murine IL-22 specific antibody was purified by affinity chromatography employing immobilized murine IL-22 matrix.

## Target Background

<b>Synonyms (Target):</b>	IL22; IL-22; Iltif; IL-22a; ILTIFa
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IL-22 is a member of the IL-10 family of regulatory cytokines which includes IL-10, IL-19, IL-20, IL-22, IL-24 and IL-26. Members of this family share partial homology in their amino acid sequences, but they are dissimilar in their biological functions. Produced by T lymphocytes, IL-22 inhibits IL-4 production by Th2 cells, and induces acute phase reactants in the liver and pancreas. IL-22 signals through a receptor system consisting of IL-10R-β/CRF2-4 and IL-22R, both of which are members of the class II cytokine-receptor family. Recombinant murine IL-22 is a 3-34 kDa non-disulfide-linked homodimeric protein containing of two 146 amino acid polypeptide chains.

### Database References Target

<b>Protein RefSeq:</b>	NP_058667.1
<b>Uniprot ID:</b>	Q9JJY9
<b>mRNA RefSeq:</b>	NM_016971

## Product Specifications

<b>Species reactivity</b>	Mouse
<b>Clone/Ab feature</b>	Rabbit IgG
<b>Cross reactivity</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal Antibody
<b>Purification</b>	Antigen-affinity purified
<b>Immunogen</b>	Recombinant mouse IL-22
<b>Formulation</b>	lyophilized from PBS
<b>Reconstitution buffer</b>	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 mIL-22 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-22 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.

### ELISA:

**Indirect:** To detect IL-22 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 IL-22.

**Sandwich:** To detect IL-22 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 an appropriate secondary conjugated antibody, allows the detection of at least 0.2 - 0.4 ng/well of recombinant IL-22.

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