

## Product datasheet for **PP1224P1**

### IL22 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	<b>Neutralization:</b> To yield one-half maximal inhibition [ND50] of the biological activity of Human IL-22 (50.0 ng/ml), a concentration of 1.25 µg/ml of this antibody is required. <b>Sandwich ELISA:</b> To detect Human 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 Biotinylated anti-Human IL22 (PP1224B1 or PP1224B2) as detection antibody, allows the detection at least 0.2-0.4 ng/well of recombinant Human IL-22. <b>Western blot:</b> To detect Human IL-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 Human IL-22 is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) E.coli derived recombinant Human Interleukin-22 (hIL-22).
Specificity:	Recognizes Interleukin-22 (IL-22).
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography employing immobilized Human IL-22 matrix.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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<b>Gene Name:</b>	interleukin 22
<b>Database Link:</b>	<a href="#">Entrez Gene 50616 Human Q9GZX6</a>
<b>Background:</b>	IL22 is a cytokine structurally related to IL10 and is upregulated in activated T cells. IL22 signals through a receptor complex that includes CRF2-4 and a new member of the class II cytokine receptor family (also known as the interferon receptor family), IL22R. CRF2-4 has previously been demonstrated to be a functional component of the IL-10 signaling complex. IL22 is able to suppress IL4 production; this may have therapeutic potential, particularly in the treatment of asthma.
<b>Synonyms:</b>	IL-22, ILTIF, Cytokine Zcyto18
<b>Protein Families:</b>	Druggable Genome, Secreted Protein, Transmembrane
<b>Protein Pathways:</b>	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway