

Product datasheet for **PP1224B2**

IL22 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	Direct ELISA: To detect Human IL-22 by direct ELISA (using 100 µl/well) a concentration of ~1.0 µg/ml of this antibody is required. The Biotinylated antibody allows the detection of at least 0.2-0.4 ng/well of recombinant Human IL-22. Sandwich ELISA: To detect Human IL-22 by Sandwich ELISA (using 100 µl/well) a concentration of 0.25-1.0 µg/ml of this antibody is required. The Biotinylated antibody, in conjunction with anti-Human IL22 (PP1224P1 or PP1224P2) as a capture antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant Human IL-22. Western blot: 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 IL-22 (hIL-22).
Specificity:	Recognizes Human Interleukin-22 (IL-22).
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized (sterile filtered) purified Ig fraction.
Reconstitution Method:	Restore with sterile PBS solution containing 0.1% BSA to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity Chromatography.
Conjugation:	Biotin
Storage:	Store the antibody prior to reconstitution at -20°C. Following reconstitution the antibody can be stored at 2-8°C for one month or at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.



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Gene Name:	interleukin 22
Database Link:	Entrez Gene 50616 Human Q9GZX6
Background:	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.
Synonyms:	IL-22, ILTIF, Cytokine Zcyto18
Protein Families:	Druggable Genome, Secreted Protein, Transmembrane
Protein Pathways:	Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway