

Product datasheet for **PP1226B1**

IL22 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: <u>Direct</u> - To detect mIL-22 by direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of 0.25 - 1.0 µg/ml; allows the detection of at least 0.2 - 0.4 ng/well of recombinant mIL-22. <u>Sandwich</u> - To detect mIL-22 by sandwich ELISA (using 100 µl/well antibody solution), a concentration of 0.25 - 1.0 µg/ml of this antibody is required. In conjunction with a polyclonal anti-murine IL-22 (PP1226P) as the capture antibody at least 0.2 - 0.4 ng/well of recombinant mIL-22 can be detected. 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.
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant mIL-22 (murine Interleukin-22)
Specificity:	This antibody recognizes murine IL-22. Not tested in other species.
Formulation:	BPS, pH 7.2, without preservatives Label: Biotin State: Lyophilized purified Ig fraction Label: conjugated
Reconstitution Method:	Centrifuge vial prior to opening. Restore with sterile PBS solution containing 0.1% BSA to a concentration of 0.1 - 1.0 mg/ml.
Purification:	Affinity chromatography
Conjugation:	Biotin



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Storage:	The lyophilized antibody is stable at -20°C for one year from despatch. The reconstituted antibody can be stored for two weeks at 2-8°C. Frozen aliquots are stable for six months when stored at -20°C. Avoid repeated freezing and thawing.
Gene Name:	interleukin 22
Database Link:	Entrez Gene 50929 Mouse Q9J1Y9
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