

Product datasheet for **PP1031B1**

IL9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA: To detect hIL-9 by direct ELISA (using 100 µl/well antibody solution) this antibody can be used at a concentration of 0.15 - 0.30 µg/ml. Used in conjunction with compatible secondary reagents, allows the detection of at least 0.2 ng/well of recombinant hIL-9. Western Blot: To detect hIL-9 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-9 is 1.5 - 3.0 ng/lane, under either reducing or non-reducing conditions.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Highly pure (>98%) recombinant hIL-9 (human IL-9).
Specificity:	Human Interleukin-9.
Formulation:	PBS, pH 7.2 without preservatives. Label: Biotin State: Lyophilized purified Ig fraction. Label: conjugated
Reconstitution Method:	Restore in sterile PBS 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.
Gene Name:	interleukin 9
Database Link:	Entrez Gene 3578 Human P15248



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Background:	Interleukin 9 (IL9) is a cytokine preferentially produced by T helper type 2 lymphocytes and active on various cell types such as T and B lymphocytes, mast cells and haemopoietic progenitors; but no effect of this cytokine has been reported so far on mononuclear phagocytes. IL9 stimulates cell proliferation and prevents apoptosis. The IL9 receptor (IL 9R) belongs to the haemopoietic receptor superfamily and its signal transduction involves mainly the (JAK/STAT) pathway. Some studies have implicated IL9 as an important cytokine in a number of Th2 cytokine mediated pathologies, in particular asthma.
Synonyms:	IL-9, T-cell growth factor P40, P40 cytokine
Note:	Centrifuge vial prior to opening!
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Asthma, Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway