

Product datasheet for PP014P2

IL9 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	<u>Neutralization:</u> To yield one-half maximal inhibition [ND50] of the biological activity of mL-9 (0.30 ng/ml), a concentration of 0.006-0.012 µg/ml of this antibody is required. <u>ELISA:</u> To detect mL-9 by direct ELISA (using 100 µl/well antibody solution) a concentration of at least 0.5 µg/ml of this antibody is required. This antigen affinity purified antibody, in conjunction with compatible secondary reagents, allows the detection of 0.2-0.4 ng/well of recombinant mL-9. <u>Western Blot:</u> To detect mL-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 mL-9 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 mL-9
Specificity:	Recognises Murine IL-9
Formulation:	PBS, pH 7.2 without preservatives. State: Aff - Purified State: Lyophilized purified Ig fraction.
Reconstitution Method:	Restore in sterile water to a concentration of 0.1-1.0 mg/ml.
Purification:	Affinity chromatography.
Conjugation:	Unconjugated
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 9

Database Link: [Entrez Gene 16198 Mouse P15247](#)

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!