

Product datasheet for **PP005P1**

II1a 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-1 alpha (0.05 ng/ml), a concentration of 0.03-0.05 µg/ml of this antibody is required. <u>ELISA:</u> (Indirect): To detect mL-1 alpha by indirect 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 compatible secondary reagents, allows the detection of at least 0.2-0.4 ng/well of recombinant mL-1 alpha. (Sandwich): To detect mL-1 alpha 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-Murine IL-1 alpha (PP005B) as a detection antibody, allows the detection of at least 0.2-0.4 ng/well of recombinant mL-1 alpha. <u>Western blot:</u> To detect mL-1 alpha 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-1 alpha 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-1-alpha (murine IL-1 alpha).
Specificity:	This antibody recats with Murine-1 alpha.
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



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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 1 alpha
Database Link:	Entrez Gene 16175 Mouse P01582
Background:	Interleukins (ILs) are a large group of cytokines that are produced mainly by leukocytes, although some are produced by certain phagocytes and auxiliary cells. Each IL acts on a specific, limited group of cells through a receptor specific for that IL. Interleukin 1 (IL1), originally known as lymphocyte activating factor (LAF), activates T cells and lymphocytes, which then proliferate and secrete interleukin 2. IL1 is primarily released from stimulated macrophages and monocytes, but also is released from several other cell types and is thought to play a key role in inflammatory and immune responses. The two closely related agents, interleukin 1 alpha (IL1 alpha) and interleukin 1 beta (IL1 beta) bind to the same cell surface receptor, elicit nearly identical biological responses and share 25% homology in their amino acid sequence.
Synonyms:	IL-1 alpha, IL1F1, IL1A, Hematopoietin-1
Note:	Centrifuge vial prior to opening!