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Antigen-Affinity Purified Polyclonal Antibodies

Anti-rat IL-1 alpha

Description: Produced from sera of rabbits pre-immunized with highly pure (>98%) recombinant Rat IL-1 α . Anti-Rat IL-1 α specific antibody was purified by affinity chromatography employing immobilized Rat IL-1 α matrix.

Host species:	Rabbits
Antigen:	Recombinant rat IL-1 α
Purification:	Affinity chromatography
Stabilizer:	none
Buffer:	PBS; pH 7.2
Formulation:	lyophilized

Reconstitution: Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

Stability: The lyophilized antibody is stable for at least 2 years from date of receipt at -20 $^{\circ}$ C. The reconstituted antibody is stable for at least two weeks at 2-8 $^{\circ}$ C. Frozen aliquots are stable for at least 6 months when stored at -20 $^{\circ}$ C. **Avoid repeated freeze-thaw cycles.**

Applications

Neutralization: To yield one-half maximal inhibition [**ND**₅₀] of the biological activity of Rat IL-1 α (50 pg/ml), a concentration of 0.011 - 0.017 μ g/ml of this antibody is required.

ELISA: Indirect: To detect Rat IL-1 α by indirect ELISA (using 100 μ l/well antibody solution) a concentration of 0.5 - 2.0 μ g/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 Rat IL-1 α .

Sandwich: To detect Rat IL-1 α by sandwich ELISA (using 100 μ l/well antibody solution) a concentration of 0.5 - 2.0 μ g/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 Rat IL-1 α .

Western Blot: To detect Rat IL-1 α by Western Blot analysis this antibody can be used at a concentration of 0.1-0.2 μ g/ml. Used in conjunction with compatible secondary reagents the detection limit for recombinant Rat IL-1 α is 1.5-3.0 ng/lane, under either reducing or non-reducing conditions.

Usage: Anti rat IL-1 α is offered for research use. Not for drug use. **Not for human use.**

Catalogue number: 104-P22

Size: 100 μ g

**** please note: always centrifuge vials before opening ****