

Anti-Porcine (Swine) Interleukin-1 beta (IL-1 β) Polyclonal Antibody

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| Catalog No: | CPI105 |
| Size: | 500 μ g |
| Concentration: | 0.5 mg/0.5 mL |
| Formulation: | Rabbit polyclonal antibodies in phosphate buffered saline, pH 7.2. Preservative free. 0.22 micron sterile filtered. |
| Purification: | Purified from rabbit serum by Protein G chromatography. |
| Immunogen: | Recombinant porcine IL-1 beta |
| Specificity: | This antibody recognizes porcine IL-1beta. It shows no cross-reactivity with porcine IL-1alpha. IL-1 beta and IL-1alpha have very similar biological activities on many different cell types although they are derived from different genes and share only ~20% amino acid sequence homology. IL-1 beta is synthesized as pro-IL-1 beta in cells and is cleaved to produce active IL-1 beta by Interleukin-1 beta converting enzyme (ICE), a cytoplasmic cysteine protease which is also known as caspase-1. |
| Species Reactivity: | Porcine. Other species were not tested. |
| Applications: | This antibody is suitable for use in Western blot analysis. This antibody is nonneutralizing when tested by proliferation assay. |
| Recommended Dilution: | Centrifuge vial briefly before opening to bring contents to bottom of vial. For Western blotting, use 0.5-2 μ g/mL. The optimal antibody concentration should be determined for each specific application. |
| Storage: | Store at 2-8°C. For long term storage, aliquot into small volumes and store at -20°C. Avoid repeated freeze-thaw cycles to avoid denaturing the antibody. |
| References: | <ol style="list-style-type: none">1) Alnemri, E.S., <i>et al.</i> (1996) Human ICE/CED-3 protease nomenclature. Cell 87:171.2) Black, R.A., <i>et al.</i> (1989) Activation of interleukin-1 beta by a co-induced protease. FEBS Lett. 247(2):386-90.3) di Giovine, F.S., <i>et al.</i> (1990) Interleukin 1: the first interleukin. Immunol. Today 11(1):13-20.3) Dinarello, C.A., <i>et al.</i> (1996) Biologic basis for interleukin-1 in disease. Blood 87(6):2095-2147. |

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