



**Rabbit (polyclonal)
Anti-Swine Interleukin-1 β (IL-1 β)
Unconjugated**

PRODUCT ANALYSIS SHEET

Catalog Number:	ASC0912
Lot Number:	See product label
Quantity/Volume:	0.5 mg/0.5 mL
Form of Antibody:	Rabbit polyclonal antibodies in phosphate buffered saline, pH 7.2.
Preservation:	None, 0.22 micron sterile filtered.
Purification:	Purified from rabbit serum by Protein G chromatography.
Immunogen:	Recombinant swine IL-1 β .
Specificity:	This antibody recognizes swine IL-1 β . It shows no cross-reactivity with swine IL-1 α . IL-1 β and IL-1 α 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 β is synthesized as pro-IL-1 β in cells and is cleaved to produce active IL-1 β by Interleukin-1 β converting enzyme (ICE), a cytoplasmic cysteine protease which is also known as caspase-1.
Species Reactivity:	Swine. Other species were not tested.
Applications:	This antibody is suitable for use in Western blot analysis. This antibody is non-neutralizing when tested by proliferation assay.
Suggested Working Dilutions:	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:	Alnemri, E.S., <i>et al.</i> (1996) Human ICE/CED-3 protease nomenclature. <i>Cell</i> 87:171. Black, R.A., <i>et al.</i> (1989) Activation of interleukin-1 β by a co-induced protease. <i>FEBS Lett.</i> 247(2):386-90. di Giovine, F.S., <i>et al.</i> (1990) Interleukin 1: the first interleukin. <i>Immunol. Today</i> 11(1):13-20. Dinarello, C.A., <i>et al.</i> (1996) Biologic basis for interleukin-1 in disease. <i>Blood</i> 87(6):2095-2147.

This product is for research use only. Not for use in diagnostic procedures.

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