



## Rabbit polyclonal to mouse Interleukin 1beta (IL-1beta) Affinity purified

<b>Catalogue No.:</b>	R-1658-100
<b>Description:</b>	Interleukin-1 beta (IL-1beta) also known as catabolin, is a cytokine protein that in humans is encoded by the IL1B gene, which localizes to the long arm of chromosome 2. Interleukin 1 was discovered by Gery in 1972. He named it lymphocyte-activating factor (LAF) because it was a lymphocyte mitogen. It was not until 1985 that interleukin 1 was discovered to consist of two distinct proteins, now called interleukin-1 alpha and interleukin-1 beta. IL-1beta is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1 (CASP1/ICE). This cytokine is an important mediator of the inflammatory response, and is involved in a variety of cellular activities, including cell proliferation, differentiation, and apoptosis. The induction of cyclooxygenase-2 (PTGS2/COX2) by this cytokine in the central nervous system (CNS) is found to contribute to inflammatory pain hypersensitivity. Reference: <a href="http://en.wikipedia.org/wiki/IL1B">http://en.wikipedia.org/wiki/IL1B</a> Biosensis rabbit polyclonal to mouse IL-1beta has been tested against mouse tissue lysates and reacts well in western blots. Other applications and other species have not yet been tested.
<b>Batch No.:</b>	see vial label
<b>Unit size:</b>	100 ug
<b>Antigen:</b>	Amino acids 250-265aa, (FLGNNSGQDIIDFTME) from mouse IL-beta protein
<b>Sequence:</b>	FLGNNSGQDIIDFTME
<b>Antigen Location:</b>	C-terminus
<b>Antigen Length:</b>	15 amino acids
<b>Antibody Type:</b>	Rabbit IgG
<b>Isotype:</b>	IgG
<b>Accession:</b>	P10749 Here
<b>Produced in:</b>	Rabbit
<b>Compound Name:</b>	Interleukin 1 beta, IL-1beta
<b>Purity:</b>	100ug of affinity purified rabbit IgG in 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3 buffer.
<b>Applications:</b>	Western blot 0.5-1.0 ug/mL; detects a band at ~ 17kDa for the mature mouse form. In some instances the proform at ~30kDa can also be detected. This antibody does not function for immunohistochemistry.
<b>Specificity:</b>	Mouse, other species not yet tested. The antibody may also react with rat due to sequence homology.
<b>Species Against:</b>	Mouse
<b>Antibody Against:</b>	Mouse

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<b>Cross-reactivity:</b>	Other species not yet tested
<b>Form:</b>	affinity purified
<b>Appearance:</b>	lyophilized
<b>Reconstitution:</b>	Reconstitute with 200 uL of distilled water, final concentration 0.5 mg/mL
<b>Storage:</b>	At 2-8 C for one year (lyophilized). After reconstitution aliquot and store frozen at -20C for up to six months. Avoid repeated freezing and thawing.

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