

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

Catalogue No.:	R-1658-100
Description:	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: http://en.wikipedia.org/wiki/IL1B 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.
Batch No.:	see vial label
Unit size:	100 ug
Antigen:	Amino acids 250-265aa, (FLGNNSGQDIIDFTME) from mouse IL-beta protein
Sequence:	FLGNNSGQDIIDFTME
Antigen Location:	C-terminus
Antigen Length:	15 amino acids
Antibody Type:	Rabbit IgG
Isotype:	IgG
Accession:	P10749 Here
Produced in:	Rabbit
Compound Name:	Interleukin 1 beta, IL-1beta
Purity:	100ug of affinity purified rabbit IgG in 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg Na3 buffer.
Applications:	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.
Specificity:	Mouse, other species not yet tested. The antibody may also react with rat due to sequence homology.
Species Against:	Mouse
Antibody Against:	Mouse

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Cross-reactivity:	Other species not yet tested
Form:	affinity purified
Appearance:	lyophilized
Reconstitution:	Reconstitute with 200 uL of distilled water, final concentration 0.5 mg/mL
Storage:	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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