

## Product Information

Anti-Interleukin-1 $\beta$   
antibody produced in chicken,  
affinity isolated antibody

Catalog Number **GW21029**

Formerly listed as GenWay Catalog Number 15-288-21029,  
Interleukin 1 beta Antibody.

Storage Temperature Store at -20 °C

Synonyms: Interleukin 1, beta proprotein

### Product Description

The protein encoded by this gene 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. This protein and eight other interleukin 1 family genes form a cytokine gene cluster on chromosome 2.

NCBI Accession number: NP\_000567.1

Swiss Prot Accession number: O43645

Gene Information: Human .. IL1b (3553)

Immunogen: Recombinant protein Interleukin 1, beta proprotein

Immunogen Sequence: GI # 10835145, sequence 118 - 269

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human

Tested Applications: ELISA, WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2–8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

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