

Active Recombinant Dog IL1b protein, His-tagged

Cat. No. IL1b-563D Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Active Recombinant Dog IL1b protein(Q28292)(103~260 aa), fused with N-terminal His tag, was expressed in E.coli. |
| Species | Dog |
| Source | E.coli |
| ProteinLength | 103-260 aa |
| Form | Lyophilized from sterile PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300. |
| Bio-activity | <p>Interleukin 1 beta (IL-1β) also known as leukocytic pyrogen, leukocytic endogenous mediator, mononuclear cell factor, lymphocyte activating factor and other names, is a member of the interleukin 1 family of cytokines. 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. It has been reported that IL-1β can induced IL-8 production in A549 cells. To test the bioactivity of recombinant dog IL-1β, A549 cells were seeded into 24-well plate at a density of 1×10^5 cells/mL, and allowed to attach overnight before treated with certain concentrations of recombinant dog IL-1β for 48h and IL-8 levels in the cell supernatant were determined by ELISA (SEA080Hu). IL-8 levels in the cell supernatant of A549 cells increased significantly after stimulated with IL-1β, the EC50 was 56 ug/ml.</p> |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

| | |
|-----------------------|--|
| Molecular Mass | 19.3kDa |
| Endotoxin | <1.0EU per 1µg (determined by the LAL method). |
| Purity | > 97% as determined by SDS-PAGE. |
| Storage | Avoid repeated freeze/thaw cycles. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months. |
| Reconstitution | Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex. |

GENE INFORMATION

| | |
|------------------------|--|
| Gene Name | IL1B interleukin 1, beta [<i>Canis lupus familiaris</i>] |
| Official Symbol | IL1b |
| Synonyms | IL1B; interleukin 1, beta; interleukin-1 beta; IL-1 beta; interleukin-1 beta proprotein; IL-1; |
| Gene ID | 403974 |
| mRNA Refseq | NM_001037971 |
| Protein Refseq | NP_001033060 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA