

## Active Recombinant Canine IL1B

Cat. No. IL1B-656C    Lot. No. (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Canine IL1B (Accession # NP_001033060) Ala114-Ser265 was produced in E. coli-derived.                                                                                                                                                           |
| <b>Species</b>              | Canine                                                                                                                                                                                                                                                      |
| <b>Source</b>               | E.coli                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>        | 114-265 a.a.                                                                                                                                                                                                                                                |
| <b>Predicted N Terminal</b> | Ala114                                                                                                                                                                                                                                                      |
| <b>Form</b>                 | Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.                                                                                                                                                                            |
| <b>Bio-activity</b>         | Measured in a cell proliferation assay using D10.G4.1 mouse helper T cells. Symons, J.A. et al. (1987) in Lymphokines and Interferons, a Practical Approach. Clemens, M.J. et al. (eds): IRL Press. 272.The ED50 for this effect is typically 4 - 16 pg/mL. |
| <b>Molecular Mass</b>       | Recombinant Canine IL1B has a calculated MW of 18 kDa.                                                                                                                                                                                                      |
| <b>Purity</b>               | >97%, by SDS-PAGE under reducing conditions and visualized by silver stain.                                                                                                                                                                                 |
| <b>Storage</b>              | Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).                                                               |

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

**Reconstitution** Reconstitute at 10 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

## GENE INFORMATION

**Gene Name** IL1B interleukin 1, beta [ Canis lupus familiaris (dog) ]

**Official Symbol** IL1B

**Synonyms** IL1B; interleukin 1 beta; IL-1; interleukin-1 beta; IL-1 beta; interleukin-1 beta proprotein

**Gene ID** 403974

**mRNA Refseq** NM\_001037971

**Protein Refseq** NP\_001033060

**MIM**

**UniProt ID** Q28292

**Chromosome Location** 17

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

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