

# Active Recombinant Rhesus IL1B Protein

**Cat. No.** IL1B-1167R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant mature form of Rhesus IL1B (Ala 117-Ser 269) was expressed and purified, with an initial Met.                                                                                                                                         |
| <b>Species</b>          | Rhesus macaque                                                                                                                                                                                                                                    |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Ala117-Ser269                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from sterile 50 mM Tris, pH 8.0.<br>Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.                                                                                          |
| <b>Bio-activity</b>     | Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is typically 0.25-1 ng/mL.                                                                                    |
| <b>Molecular Mass</b>   | The recombinant rhesus IL1B consists of 154 amino acids and has a calculated molecular mass of 17.5 kDa. It migrates as an approximately 18 kDa band in SDS-PAGE under reducing conditions.                                                       |
| <b>Purity</b>           | > 97 % as determined by SDS-PAGE. > 90 % as determined by SEC-HPLC.                                                                                                                                                                               |
| <b>Storage</b>          | Samples are stable for up to twelve months from date of receipt at -20°C to -80°C<br>Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

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