

Product Data Sheet

Recombinant Mouse IL1B Protein

| Catalog # | Source | Reactivity | Applications |
|---------------------------|--|------------|---------------------|
| CRP1767 | E. coli | Mouse | E, WB, SDS-PAGE, MS |
| Description | Recombinant Mouse IL1B Protein is produced by E. coli expression system and the target gene encoding Val118-Ser269 is expressed. | | |
| Form | Lyophilized from a 0.2 µM filtered solution of 50mM Tris-HCl, 50mM NaCl, pH 8.0. | | |
| Gene Symbol | IL1B | | |
| Alternative Names | IL1F2; Interleukin-1 beta; IL-1 beta; Catabolin | | |
| Entrez Gene | 16176 (Mouse) | | |
| SwissProt | P10749 (Mouse) | | |
| Purity | Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE. | | |
| Chemical Structure | VPIRQLHYRL RDEQQKSLVL SDPYELKALH LNGQNINQQV IFSMSFVQGE PSNDKIPVAL GLKGKNLYLS CVMKDGTPTL QLESVDPKQY PKKKMEKRFV FNKIEVKSKV EFESAEPNW YISTSQAEHK PVFLGNNSGQ DIIDFTMESV SS | | |
| Quality Control | Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test. | | |
| Directions for Use | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. | | |
| Storage/Stability | Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months. | | |

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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