



Recombinant Mouse Interleukin-10 (IL10)

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| Product Code | CSB-EP011580MO-B |
| Storage | Store at -20°C, for extended storage, conserve at -20°C or -80°C. |
| Uniprot No. | P18893 |
| Product Type | Recombinant Protein |
| Immunogen Species | Mus musculus (Mouse) |
| Purity | >85% (SDS-PAGE) |
| Sequence | SR GQYSREDNNC THFPVGQSHM LLELR TAFSQ VKTFFQTKDQ LDNILLTDSL MQDFKGYLGC QALSEMIQFY LVEVMPQAEK HGPEIKEHLN SLGEKLT LR MRLRRCHRFL PCENKSKAVE QVKSDFNKLQ DQGVYKAMNE FDIFINCIEA YMMIKMKS |
| Source | E.coli |
| Target Names | IL10 |
| Protein Names | Recommended name: Interleukin-10 Short name= IL-10 Alternative name(s): Cytokine synthesis inhibitory factor Short name= CSIF |
| Expression Region | 19-178 |
| Notes | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week. |
| Tag Info | Tag type will be determined during the manufacturing process. |
| Protein Length | Full Length of Mature Protein |
| Target Details | This protein is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. This cytokine has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. It also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Knockout studies in mice suggested the function of this cytokine as an essential immunoregulator in the intestinal tract. |
| Reconstitution | We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference. |
| Shelf Life | The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C. |