Recombinant Mouse Interleukin-10 (Il10)

Product Code	CSB-MP011580MO
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 LLELRTAFSQ VKTFFQTKDQ LDNILLTDSL MQDFKGYLGC QALSEMIQFY LVEVMPQAEK HGPEIKEHLN SLGEKLKTLR MRLRRCHRFL PCENKSKAVE QVKSDFNKLQ DQGVYKAMNE FDIFINCIEA YMMIKMKS
Source	Mammalian cell
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.