

Recombinant Mouse Interleukin-13/IL-13 Protein

Cat.NO.: TP05825

3th Edition

Synonyms:Interleukin-13; IL-13; T-Cell Activation Protein P600; Il13; IL-13

Description:Mouse interleukin 13 (mIL-13) is a pleiotropic cytokine produced by activated Th2 cells. IL-13 induces B cell proliferation and immunoglobulin production. It contains a four helical bundle with two internal disulfide bonds. Mouse IL13 shares 58% sequence identity with human protein and exhibits cross-species activity. IL13 signals via receptor IL13R (type2, IL4R) and activates STAT-6. IL13 initially binds IL-13R?1 with low affinity and triggers association of IL4R?, generating a high affinity heterodimeric receptor IL13R and eliciting downstream signals. IL13 also binds IL-13R?2 with high affinity, which plays a role in a negative feedback system of IL13 signaling. IL13 is an important mediator of allergic inflammation and disease.

Form:PBS

Molecular Weight:11.7 kDa

Sequences:Ser26-Phe131

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.