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32-9702: Recombinant Mouse Interleukin-13/IL-13 (Pro22-Phe131,C-6His)

Alternative Name : Interleukin-13, IL-13, T-Cell Activation Protein P600, Il13, Il-13

Description

Source : Human Cells;
Mouse interleukin 13 (mIL-13) is a pleiotropic cytokine produced by activated Th2 cells. IL-13 induces B cell proliferation and immunoglobin 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-Alpha1 with low affinity and triggers association of IL4R-Alpha, generating a high affinity heterodimeric receptor IL13R and eliciting downstream signals. IL13 also binds IL-13R-Alpha2 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.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

Amino Acid : Recombinant Mouse Interleukin-13 is produced by our Mammalian expression system and the target gene encoding Pro22-Phe131 is expressed with a 6His tag at the C-terminus.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.