

Mouse IL-12/IL-12A & IL-12B protein (Recombinant) (C-His (IL-12a) & No tag (IL-12b)) (STJP002890)

GENERAL INFORMATION

Product Type	Proteins
Host / Source	HEK293 cells

PRODUCT PROPERTIES

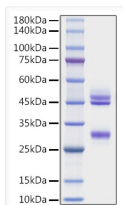
Formulation	Lyophilised from a 0.22 Mu m filtered solution of PBS, pH 7.4.
Storage Instruction	Store at-20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

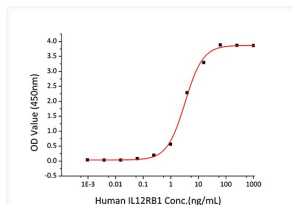
Gene ID	16160 16159
Gene Symbol	Il12b Il12a
UniProt ID	IL12B_MOUSE IL12A_MOUSE
Immunogen Region	Arg23-Ala215 & Met23-Ser335
Immunogen Sequence	RVIPVSGPARCLSQSRNLLK TTDDMVKTAREKLKHYSCTA EDIDHEDITRDQTSTLKTCL PLELHKNESCLATRETSSTT RGSCLPQKTSLMMLTCLGS IYEDLKMYQTEFQAINAALQ NHHQIILDKGMLVAIDEL MQSLNHNGETLRQKPPVGEA DPYRVKMKLCILLHAFSTRV VTINRVMGYLSSA&MWELEK DVYVVEVDWTPDAPGETVNL TCDTPEEDDITWTSDQRHG

ADDITIONAL INFORMATION

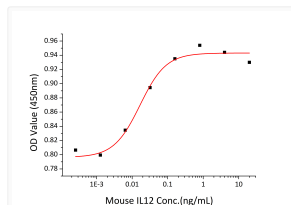
Note STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.



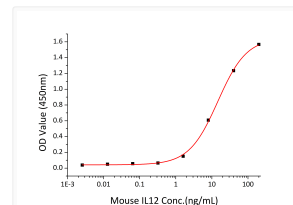
Recombinant Mouse IL-12/IL-12A&IL-12B Protein was resolved with SDS PAGE under reducing (R) and non-reducing (NR) conditions, showing single bands at 28-30 (IL-12A) , 45 (IL-12B) kDa and 70-75 kDa, respectively.



Immobilized Mouse IL-12A&IL-12B (Catalog: STJP002890) at 5 Mu g/mL (100 Mu L/well) can bind Human IL12RB1 with a linear range of 0.001-3.3 ng/mL.



Recombinant Mouse IL-12A&IL-12B stimulates cell proliferation of the IL2-activated mouse splenocytes. The ED₅₀ for this effect is 0.01-0.03 ng/mL, corresponding to a specific activity of 3.3×10⁷~1×10⁸ units/mg.



Recombinant Mouse IL-12/IL-12A&IL-12B induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED₅₀ for this effect is 7.3-29.2 ng/mL, corresponding to a specific activity of 3.4×10⁴~1.4×10⁵ units/mg.