

Murine IL-12 p70 (glycosylated, HEK)

Synonyms: NKSF, CTL maturation factor (TCMF), Cytotoxic lymphocyte maturation factor (CLMF), TSF, Edodekin-alpha, IL-12.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
2 µg	1545.962.002		
10 µg	1545.962.010		
100 µg	1545.962.199		

Please enquire for bulk quantities and other vial sizes

Description

Interleukin-12 Murine Recombinant produced in HEK 293 cells is a glycosylated disulfide linked heterodimeric polypeptide containing 506 amino acids and having a molecular weight of 75 kDa comprised of disulfide-bonded 35 kDa (p35) and 40 kDa (p40) subunits.

- **Source** HEK
- **Purity** ≥ 95% (SDS-PAGE)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from 0.5xPBS, pH 7.5*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED 50 of 10-20 ng/ml was determined by the dose-dependent induced expression of CD25 on CD8+ mouse T cells, it corresponds to a specific activity of 5-10 x 10⁴ units/mg.

Reconstitution

It is recommended to reconstitute the lyophilized murine IL12 in sterile distilled pyrogen free water at 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized mouse IL-12 although stable at room temperature for 3 weeks, should be stored below -18°C. Upon reconstitution IL12 should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

p35Subunit :RVIPVSGPA RCLSQSRNLL KTTDDMVKTA REKCLKHYSCT AEDIDHEDIT RDQTSTLKTC
 LPLELHKNES CLATRETSST TRGSCLPPQK TSLMMLTCLG SIYEDLKMYQ TEFQAINAAL QNHNHQIIL
 DKGMLVAIDE LMQSLNHNGE TLRQKPPVGE ADPYRVKMKL CILLHAFSTR VVTINRVMGY LSSA.p40Su
 bunit:MWEL EKDVYVVEVD WTPDAPGETV NLTCDTPEED DITWTSQDRH GVIGSGKTLT ITVKEFLDAG
 QYTCHKGGGET LSHSHLLLHK KENGIWSTEI LKNFKNKTFE KCEAPNYSGR FTCSWLVRQNR MDLKFNIKSS
 SSSPDSRAVT CGMASLSAEK VTLDQRDYEK YSVSCQEDVT CPTAEETLPI ELALEARQQN KYENYSTSFF
 IRDIIKPDPP KNLQMKPLKN SQVEVSWEYP DSWSTPHSYF SLKFFVRIQR KKEKMKETEE GCNQKGAFLV
 EKTSTEVQCK GGNVCVQAQD RYYNSSCSKW ACVPCRVRS

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

ORDERING
 Tel.: +49 40 43208448-0
 order@active-bioscience.de
 www.active-bioscience.de

TECHNICAL SUPPORT
 Tel.: +49 40 43208448-11
 support@active-bioscience.de

Active Bioscience GmbH
 Oberaltenallee 8
 D-22081 Hamburg
 HRB 98170 Amtsgericht Hamburg