

Mouse IL-3 Recombinant Protein

Product Details

Size	10 µg
Species	Mouse
Expression system	E. coli
Molecular weight	15.1 kDa
Class	Recombinant
Type	Protein
Purity	>96% by SDS-PAGE and HPLC analysis
Activity	ED50 < 0.1 ng/mL; determined by dose-dependent proliferation of mouse FDC-P1 cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	purified
Contains	no preservative
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

RMIL310 contains 134 amino acid residues.

Purity: >96% pure by SDS-PAGE and HPLC analysis.

Activity: One unit of activity is <0.1 ng/mL, as determined by proliferation assay of mouse IL-3-dependent FDC-P1 cells, corresponding to a specific activity of >1x10⁷ units/mg.

Use: Interleukin-3 exerts activity in the range of 0.1 to 10 ng/mL for most in vitro applications.

Reconstitution and Dilution: Reconstitute in distilled water to a concentration of 100 µg/mL. After reconstitution, dilute cytokine in a neutral buffer containing carrier protein such as 5-10% FBS or 1-4% high purity BSA (fatty acid free fraction V).

Lyophilized product is stable until expiration if stored desiccated below 0°C. Cytokines diluted as indicated above should be divided into aliquots and stored at -70°C. Recombinant proteins should be stored at concentrations >500 ng/mL to reduce loss of activity.

Miscellaneous PubMed (1)

Scientific reports	Year
Targeting murine leukemic stem cells by antibody functionalized mesoporous silica nanoparticles. Authors: Mandal T,Beck M,Kirsten N,Lindén M,Buske C	2018

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