

Active Recombinant Equine IL4

Cat. No. IL4-669E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Equine IL4 (Accession # NP_001075988) Lys26-Cys137 was produced in E. coli-derived.
Species	Equine
Source	E.coli
ProteinLength	26-137 a.a.
Predicted N Terminal	Lys26
Form	Lyophilized from a 0.2 µ filtered solution in PBS with BSA as a carrier protein.
Bio-activity	Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. Kitamura, T. et al. (1989) J. Cell Physiol. 140:323. The ED50 for this effect is typically 10 - 60 ng/mL.
Molecular Mass	Recombinant Equine IL4 has a calculated MW of 12.6 kDa.
Purity	>95%, by SDS-PAGE under reducing conditions and visualized by silver stain.
Storage	Avoid repeated freeze-thaw cycles. No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

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Reconstitution

Reconstitute at 100 µg/mL in sterile PBS containing at least 0.1% human or bovine serum albumin.

GENE INFORMATION

Gene Name IL4 interleukin 4 [*Equus caballus* (horse)]

Official Symbol IL4

Synonyms IL4; interleukin 4; IL-4; BSF-1; interleukin-4; B-cell stimulatory factor 1; lymphocyte stimulatory factor 1

Gene ID 100034225

mRNA Refseq NM_001082519

Protein Refseq NP_001075988

MIM

UniProt ID P42202

Chromosome Location 14

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