

Mouse IL-7, Tag Free Protein

HA211019



Product name:	Mouse IL-7, Tag Free
Species reactivity:	Mouse
Bio-Activity:	Measured in a cell proliferation assay using mouse splenocytes pre-stimulated with 0.3 µg/mL anti-CD3 for 24 hours. The ED50 for this effect is 0.07-0.3 ng/mL.
Protein construction description:	A DNA sequence encoding the mouse IL-7 protein (P10168) (Glu 26-Ile 154) was expressed with tag free.

Background: Interleukin 7 (IL-7) is a protein that in humans is encoded by the IL7 gene. IL-7 is a hematopoietic growth factor secreted by stromal cells in the bone marrow and thymus. It is also produced by keratinocytes, dendritic cells, hepatocytes, neurons, and epithelial cells, but is not produced by normal lymphocytes. A study also demonstrated how the autocrine production of the IL-7 cytokine mediated by T-cell acute lymphoblastic leukemia (T-ALL) can be involved in the oncogenic development of T-ALL and offer novel insights into T-ALL spreading.

Purity: >95% as determined by SDS-PAGE.

Fragment region: IL-7 (26-154)

Source: HEK293

Accession: P10168

Predicted molecular mass: 15.3 kD

Formulation: Lyophilized from a 0.2 µm filtered solution of PBS, pH7.4, 5% Trehalose, 5% mannitol.

Reconstitution: Reconstitute at 250 µg/ml in sterile water.

Storage: Please avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. It is recommended that aliquot the reconstituted solution to minimize freeze-thaw cycles.

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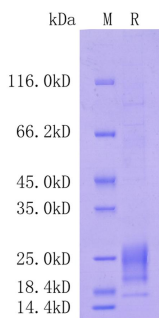


Fig1: Protein on SDS-PAGE under reducing (R) condition.

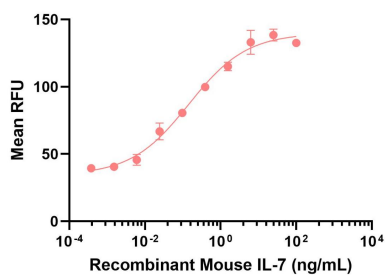


Fig2: Measured in a cell proliferation assay using mouse splenocytes pre-stimulated with 0.3 µg/mL anti-CD3 for 24 hours. The ED₅₀ for this effect is 0.07-0.3 ng/mL.

Note: All products are “FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE”.