



[Go to Product page](#)

Datasheet for ABIN2018055
IL-11 Protein (AA 23-199)

Overview

Quantity:	50 µg
Target:	IL-11 (IL11)
Protein Characteristics:	AA 23-199
Origin:	Mouse
Source:	HEK-293T Cells
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 3 ng/mL, measured in a cell proliferation assay using T11 cells.
Purity:	> 95 % as analyzed by SDS-PAGE and HPLC.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	IL-11 (IL11)
Alternative Name:	Interleukin-11(IL-11) (IL11 Products)
Background:	Interleukin-11 (IL-11) is a pleiotropic cytokine that was originally detected in the conditioned medium of an IL-1alpha-stimulated primate bone marrow stromal cell line (PU-34) as a mitogen for the IL-6-responsive mouse plasmacytoma cell line T11. IL-11 contains no cysteine residues or potential glycosylation sites. IL-11 has multiple effects on both hematopoietic and nonhematopoietic cells. Many of the biological effects described for IL-11 overlap those for IL-

Target Details

6. In vitro, IL-11 can synergize with IL-3, IL-4 and SCF to shorten the G0 period of early hematopoietic progenitors. IL-11 also enhances the IL-3-dependent megakaryocyte colony formation. IL-11 has been found to stimulate the T cell dependent development of specific immunoglobulin-secreting B cell.

Synonyms: IL-11

Molecular Weight: 21 kDa, observed by reducing SDS-PAGE.

UniProt: [P47873](#)

Pathways: [JAK-STAT Signaling](#), [Negative Regulation of Hormone Secretion](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in ddH₂O or PBS at 100 µg/mL.

Buffer: Lyophilized after extensive dialysis against PBS.

Storage: -80 °C

Storage Comment: Lyophilized recombinant Murine Interleukin-11 (IL-11) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, Murine Interleukin-11 (IL-11) should be stable up to 1 week at 4 °C or up to 2 months at -20 °C.

Expiry Date: 6 months