

[Go to Product page](#)

Datasheet for ABIN2018081 IL-19 Protein (AA 25-176)

Overview

Quantity:	50 µg
Target:	IL-19 (IL19)
Protein Characteristics:	AA 25-176
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active

Product Details

Characteristics:	ED50 < 50 ng/mL, measured by a cell proliferation assay using MCF-7 cells, corresponding to a specific activity of > 2x 10 ⁴ units/mg. AA 25-176, expressed with an N-terminal Met.
Purity:	> 95 % by SDS-PAGE analysis.
Endotoxin Level:	< 0.2 EU/µg, determined by LAL method.

Target Details

Target:	IL-19 (IL19)
Alternative Name:	Interleukin-19 (IL-19) (IL19 Products)
Background:	Interleukin-19 (IL-19) is a cytokine belonging to the interleukin family. Structurally, IL-19 is grouped into the IL-10 sub-family, which also includes IL-20, IL-22, IL-24, and IL-26. In contrast to IL-10, which exists as a homodimer, IL-19 is stable and active as a monomer in vivo. IL-19

Target Details

functions through the receptor complex composed of IL-20 Receptor alpha and IL-20 Receptor beta, which is also utilized by IL-20 and IL-24. IL-19 is produced by active monocytes and stimulated synergistically by IL-17 and IL-13. The functions of IL-19 are to promote the development and function of Th2 cells and to enhance the production of Th2 cytokines. IL-19 is implicated in aging, vascular disease, Type I diabetes, and rheumatoid arthritis. Recombinant mouse Interleukin-19 (rmIL-19) produced in E. coli is a single non-glycosylated polypeptide chain containing of 153 amino acids. A fully biologically active molecule, rmIL-19 has a molecular mass of 17.7 kDa analyzed by non-reducing SDS-PAGE.

Synonyms: Melanoma differentiation association like protein, MDA1, NG.1, ZMDA1, IL-10C, IL-19

Molecular Weight: 17.7 kDa, observed by non-reducing SDS-PAGE.

UniProt: [Q8CJ70](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Reconstituted in 50 mM acetic acid at 50 µg/mL.

Buffer: Lyophilized after extensive dialysis against 50 mM acetic acid.

Storage: -80 °C

Storage Comment: Lyophilized recombinant mouse Interleukin-19 (rmIL-19) remains stable up to 6 months at -80 °C from date of receipt. Upon reconstitution, rmIL-19 remains stable up to 2 weeks at 4 °C or up to 3 months at -20 °C.

Expiry Date: 6 months