

DATASHEET

Version 20181206

IL-17 RD, Mouse

Cat. No.: Z03328-10

Size: 10.0 ug

Synonyms: IL17RLM; SEF

Description:

Interleukin-17 receptor D (IL-17RD) , also known as similar expression to the fibroblast growth factor receptor (SEF), is a member of the interleukin-17 receptor family. Studies indicate that IL-17RD interacts with IL-17R to facilitate IL-17 signaling. Additionally, IL-17RD may play an important role in preventing certain types of cancer. Studies suggest that IL-17D acts as a feedback inhibitor of fibroblast growth factor-mediated MAPK signaling and ERK activation. Studies indicate that IL-17D can bind to MEK/ERK complexes preventing nuclear ERK translocation and subsequent cell proliferation.

Recombinant Mouse IL-17 RD produced in CHO cells is a polypeptide chain containing 271 amino acids. A fully biologically active molecule, rml-17 RD has a molecular mass of 53-56 kDa analyzed by reducing SDS-PAGE and is obtained by chromatographic techniques at GenScript.

Amino Acid Sequence:

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00001 GSGRARGADT CGWRGVGPAS RNSGLHNITF RYDNCCTTYLN
00041 PGGKHAIADA QNITISQYAC HDQVAVTILW SPGALGIEFL
00081 KGFRVILEEL KSEGRQCQQL ILKDPKQLNS SFRRTGMEQ
00121 PFLNMKFETD YFVKIVPFPS IKNESNYHPF FFRTRACDLL
00161 LQPDNLACKP FWKPRNLNIS QHGSDMHVSF DHAPQNFGR
00201 GFHVLYKLKH EGPFRRTTCR QDQNTETTSC LLQNVSPGDY
00241 IIELVDDSNTRKAAQYVVK SVQSPWAGPI R
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Source: CHO

Biological Activity: ED₅₀ < 5 µg /ml, measured in a cell proliferation assay using wt MEF cells.

Molecular Weight: 53-56 kDa, observed by reducing SDS-PAGE.

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS.

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

Purity: > 95% as analyzed by SDS-PAGE&HPLC.

Endotoxin Level: < 0.2 EU/µg, determined by LAL method.

Storage: Lyophilized recombinant Mouse Interleukin-17 D Receptor remains stable up to 6 months at lower than -70°C from date of receipt. Upon reconstitution, Mouse Interleukin-17 D Receptor should be stable up to 1 week at 4°C or up to 2 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw cycles.