

重组人白介素17F(IL-17F)

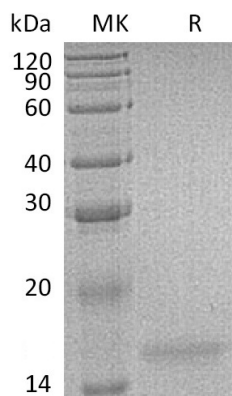
IL-17F, Human; Recombinant Human Interleukin 17F

Cat. No.: MA1397-1 Size: 10µg

Source:	E.coli
Description:	Recombinant Human Interleukin-17F is produced by our E.coli expression system and the target gene encoding Arg31-Gln163 is expressed.
Accession:	Q96PD4
Known As:	Interleukin-17F; IL-17F; Cytokine ML-1; IL17F
Predicted Mol Mass:	15 KDa
Apparent Mol Mass:	15 KDa, reducing conditions
Endotoxin:	< 1 EU/µg as determined by LAL test.
Formulation:	Lyophilized from a 0.2 µm filtered solution of 20mM PB, pH 7.4.
Reconstitution:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Shipping:	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Storage:	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Background:	Interleukin-17 is a potent pro-inflammatory cytokine produced by activated memory T cells. There are at least six members of the IL-17 family in humans and in mice. Today, IL-17 represents a family of structurally related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17F also regulates cartilage matrix turnover and inhibits angiogenesis.

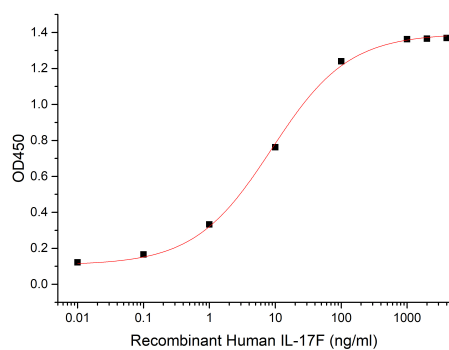


Purity-SDS-PAGE:



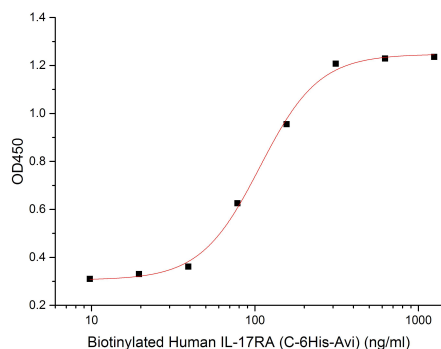
Greater than 95% as determined by reducing SDS-PAGE.

Bioactivity-Cell Based Assay:



Measured by its ability to induce IL-6 secretion by NIH-3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 5-40ng/ml.

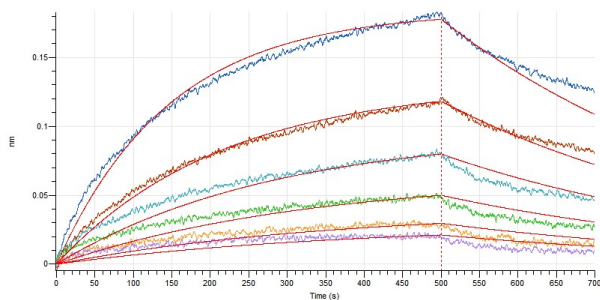
Bioactivity-ELISA:



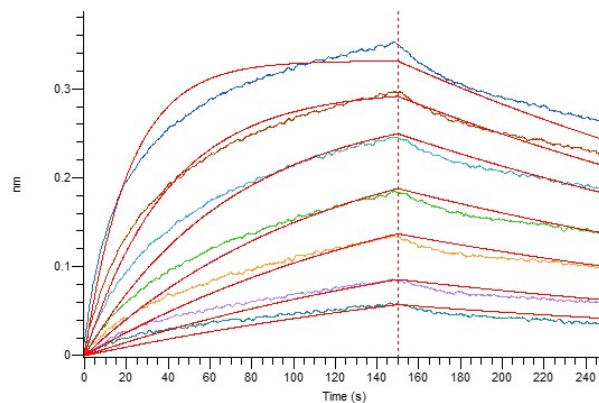
Immobilized Human IL-17F(Cat#MA1397) at 2μg/ml (100μl/well) can bind Biotinylated Human IL-17RA-His-Avi. The ED50 of Biotinylated Human IL-17RA-His-Avi is 0.11μg/ml.



Bioactivity-BLI:



Loaded Biotinylated Human IL-17RA-His-Avi on HIS1K Biosensor, can bind Human IL-17F(Cat#MA1397) with an affinity constant of $0.56\mu\text{M}$ nM as determined in BLI assay.



Loaded Biotinylated Human IL-17RA-Fc on Pro A Biosensor, can bind Human IL-17F(Cat#MA1397) with an affinity constant of $0.15\mu\text{M}$ as determined in BLI assay.

