
Product name:	Recombinant Human IL-17A/CTLA-8 Protein
Cat number:	GRF00212
Size:	20 ug
Synonyms:	IL17A; CTLA-8; CTLA8; IL-17; IL-17A; IL17; interleukin-17A;CTLA-8;CTLA8;IL-17;IL-17A;IL17
Molecular Weight:	16.37 kDa
Purification:	≥ 95 % as determined by SDS-PAGE.
Background:	IL17, also known as IL17a and CTLA8, is a 15-20 kDa glycosylated cytokine which belongs to the IL-17 family. The IL-17 family of cytokines includes six members, IL-17/IL-17A, IL-17B, IL-17C, IL-17D, IL-17E/IL-25, and IL-17F, which are produced by multiple cell types. IL17A promotes protective mucosal and epidermal inflammation in response to microbial infection. It induces chemokine production, neutrophil influx, and the production of antibacterial peptides. IL17A additionally enhances the production of inflammatory mediators by rheumatoid synovial fibroblasts and contributes to TNF alpha induced shock. In contrast, it can protect against the progression of colitis by limiting chronic inflammation. IL17A encourages the formation of autoreactive germinal centers and exacerbates the onset and progression of experimental models of autoimmunity.
Form:	Lyophilized
Storage:	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.
Tags:	C-His
Source:	HEK293 cells
Description:	High quality, high purity and low endotoxin recombinant Recombinant Human IL-17A/CTLA-8 Protein (RP00212), tested reactivity in HEK293 cells and has been validated in SDS-PAGE. 100% guaranteed.
Endotoxin:	< 0.1 EU/μg of the protein by LAL method.
Bio-Activity:	1. Measured by its binding ability in a functional ELISA. Immobilized Recombinant human IL17RA at 2 μg/mL (100 μL/well) can bind Recombinant human IL-17A, the EC 50 of human IL-17A is 32.5-130 ng/mL. 2. Measured by its ability to induce IL-6 secretion by Hela cells. The ED 50 for this effect is 2.64-10.58 ng/mL, corresponding to a specific activity of 9.45×10 ⁴ ~3.79×10 ⁵ units/mg.
Formulation:	Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

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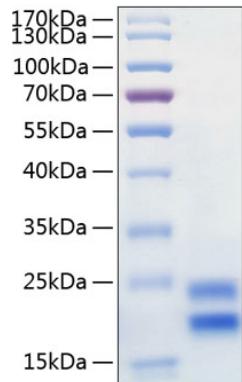
Reconstitution:

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

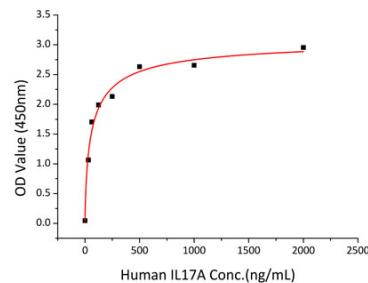
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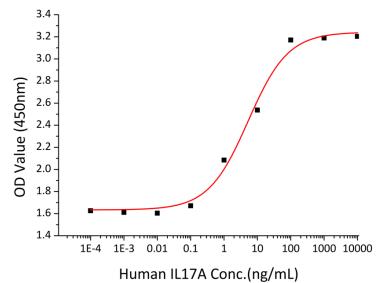
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Immobilized Recombinant human IL17RA , His Tag at 2 μ g/mL (100 μ L/well) can bind Recombinant human IL-17A,The EC50 of human IL-17A is 32.5-130 ng/mL.



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Recombinant Human IL-17A induce IL-6 secretion by Hela cells. The ED50 for this effect is 2.64-10.58 ng/mL, corresponding to a specific activity of $9.45 \times 10^4 \sim 3.79 \times 10^5$ units/mg.

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