

Recombinant rat IL-17A + IL-17F protein ab109681

2 Images

| Description                |   |
|----------------------------|---|
| Product name               | Recombinant rat IL-17A + IL-17F protein   |
| Biological activity        | The ED <sub>50</sub> of ab109681, as determined by its ability to induce IL-6 production in NIH-3T3 cells, is 7.28ng/mL.                                |
| Purity                     | > 98 % SDS-PAGE.<br>Purity Greater than 98% determined by reducing and non-reducing SDS-PAGE.   |
| Endotoxin level            | < 0.100 Eu/µg   |
| Expression system          | Escherichia coli  |
| Accession                  | <u><a href="#">Q61453</a></u><br><u><a href="#">Q5BJ95</a></u>  |
| Protein length             | Full length protein   |
| Animal free                | No  |
| Nature                     | Recombinant   |
| Amino Acid Sequence 1      |   |
| Species                    | Rat   |
| Sequence                   | MAVLIPQSSVCPNAEANNFLQNVKVNLIKVLNSLSSKASS<br>RRPSDYLNIRST<br>SPWTLSRNEDPDRYPSVIWEAQCRHQRCVNAEGLDHH<br>MNSVLIQQEILV<br>LKREPEKCPFTFRVEKMLVGVGCTCVSSIVRHAS |
| Predicted molecular weight | 15 kDa  |
| Amino acids                | 18 to 150   |
| Amino Acid Sequence 2      |   |
| Species                    | Rat   |
| Sequence                   | MAVLIPQSSVCPNAEANNFLQNVKVNLIKVLNSLSSKASS<br>RRPSDYLNIRST<br>SPWTLSRNEDPDRYPSVIWEAQCRHQRCVNAEGLDHH<br>MNSVLIQQEILV<br>LKREPEKCPFTFRVEKMLVGVGCTCVSSIVRHAS |
| Predicted molecular weight | 15 kDa  |
| Amino acids                | 29 to 161   |

Specifications

|  |  |
|--|--|
| Our <b>Abpromise guarantee</b> covers the use of <b>ab109681</b> in the following tested applications.                               |  |
| The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user. |  |
| Applications   | HPLC<br>SDS-PAGE<br>Functional Studies |
| Form   | Lyophilized                            |

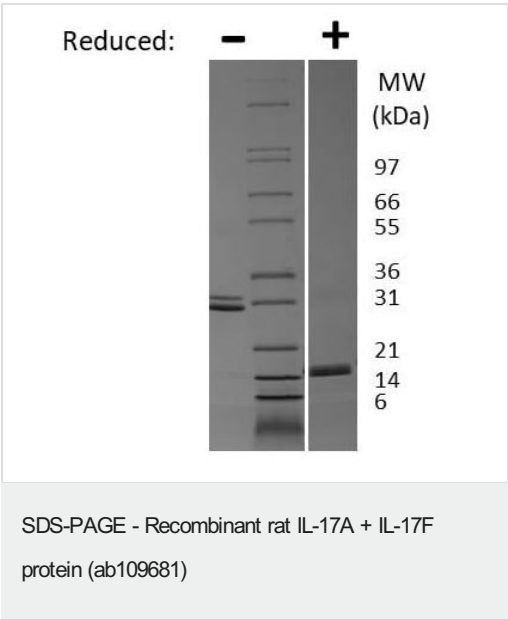
Preparation and Storage

|                       |  |
|-----------------------|--|
| Stability and Storage | Shipped at 4°C. Store at -80°C. Avoid freeze / thaw cycle. For long term storage it is recommended to add a carrier protein on reconstitution (0.1% HSA or BSA).<br><br>This product is an active protein and may elicit a biological response in vivo, handle with caution. |
| Reconstitution        | It is recommended to reconstitute the lyophilized product with sterile water at a concentration of 0.1 mg/ml, which can be further diluted into other aqueous solutions. The formulation is from 0.02% TFA before product is lyophilized                                     |

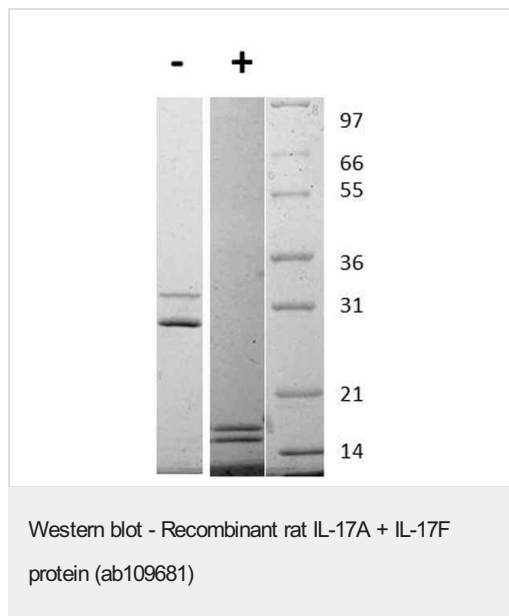
General Info

|                       |   |
|-----------------------|---|
| Relevance             | IL-17F stimulates the production of other cytokines such as IL-6, IL-8 and granulocyte colony-stimulating factor, and can regulate cartilage matrix turnover. Stimulates PBMC and T-cell proliferation. Inhibits angiogenesis. IL-17A induces stromal cells to produce proinflammatory and hematopoietic cytokines. Enhances the surface expression of the intracellular adhesion molecule-1 (ICAM-1) in fibroblasts. |
| Cellular localization | Secreted  |

Images



SDS PAGE analysis of ab109681 under non-reducing (-) and reducing (+) conditions. Stained with Coomassie Blue.



ab109681 used in Western Blot. Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel stained with Coomassie Blue. Rat IL-17AF is a heterodimer with a predicted total MW of 30.7 kDa.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
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