# Mouse IL-17A&F Protein

**Cat. No.** IL7-MM4AF

## Description

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|---|---|
| **Source** | Recombinant Mouse IL-17A&F Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. |
| | It contains Ala26-Ala158(IL-17A)&Arg29-Ala161(IL-17F). |
| **Accession** | Q62386(IL-17A)&Q7TNI7-1(IL-17F) |
| **Molecular Weight** | The protein has a predicted MW of 17.9 kDa (IL-17A) and 14.9 kDa (IL-17F). Due to glycosylation, the protein migrates to 22-25 kDa and 27-30 kDa based on Bis-Tris PAGE result. |
| **Endotoxin** | Less than 1EU per μg by the LAL method. |
| **Purity** | > 95% as determined by Bis-Tris PAGE |
| | > 95% as determined by HPLC |

## Formulation and Storage

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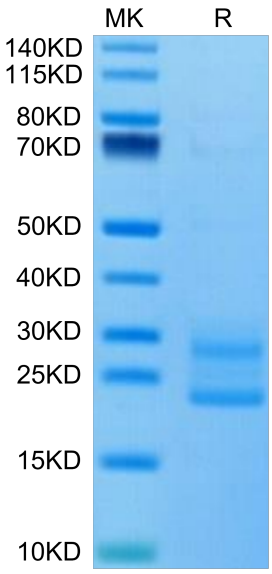
| **Formulation** | Supplied as 0.22μm filtered solution in PBS (pH 7.4). |
| **Storage** | Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

## Background

Interleukin17A (IL17A), also known as CTLA8, is a 1520 kDa glycosylated cytokine that plays an important role in antimicrobial and chronic inflammation. The six IL17 cytokines (IL17AF) are encoded by separate genes but adopt a conserved cystine knot fold.IL-17A is a ligand for IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC. Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines.

## Assay Data

**Bis-Tris PAGE**




Mouse IL-17A&F on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

**SEC-HPLC**

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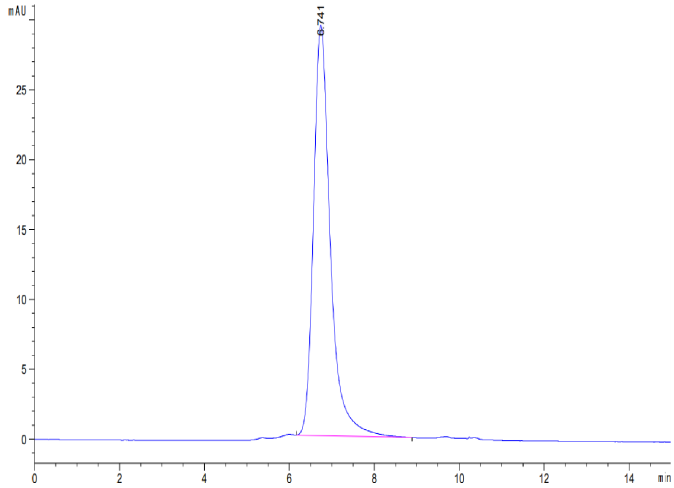
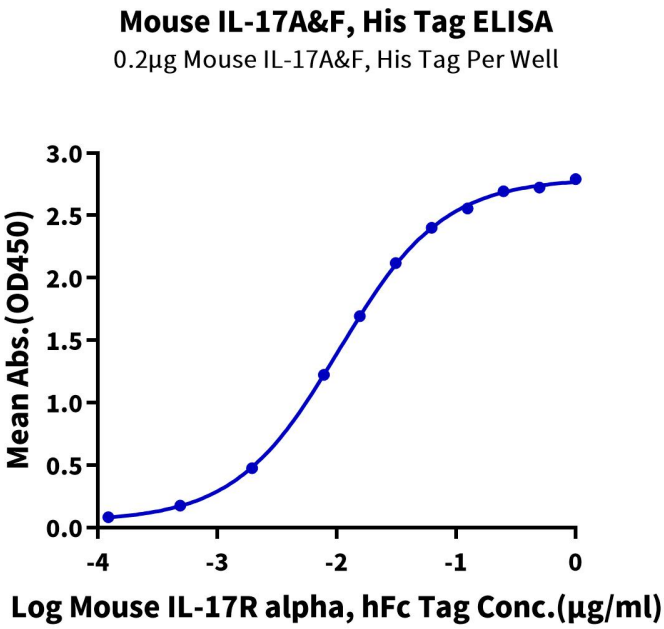
## Assay Data




The purity of Mouse IL-17A&F is greater than 95% as determined by SEC-HPLC.

ELISA Data




Immobilized Mouse IL-17A&F, His Tag at 2μg/ml (100μl/well) on the plate. Dose response curve for Mouse IL-17R alpha, hFc Tag with the EC50 of 10.5ng/ml determined by ELISA.