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Datasheet for 010-001-V56-0005

rMouse IL-17AF Heterodimer Protein

Overview

Description:	Mouse Interleukin-17AF Heterodimer Recombinant Protein - 010-001-V56-0005
Item No.:	010-001-V56-0005
Size:	5 µg
Applications:	SDS-PAGE
Origin:	Mouse
Expressed in:	E. coli

Product Details

Background:	Interleukin-17AF (IL-17AF) is a member of the IL-17 family of proteins produced by a subset of T cells, called Th17, following stimulation with IL-23. Since IL-17AF is thought to signal through the IL-17R receptor, its biological function is similar to that of IL-17A in that it induces the production of a variety of chemokines, in addition to airway neutrophilia. In regard to these functions, IL-17AF has less activity than the IL-17A homodimer but, greater activity than the IL-17F homodimer. Human and rat IL-17AF both show activity on mouse cells. Recombinant mouse IL-17AF is a non-glycosylated, disulfide-linked heterodimer. It is containing one IL-17A subunit and one IL-17F subunit, with a total of 271 amino acids and an molecular weight of 30.7 kDa.
Synonyms:	IL17 heterodimer, IL17AF heterodimer, CTLA-8 ML-1 dimer, Interleukin 17AF, Interleukin-17AF heterodimer
Species of Origin:	Mouse
Expressed in:	E. coli
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	Il17f/Il17a
Purity/Specificity:	Interleukin-17AF Heterodimer purity was determined to be greater than 98% as determined by HpLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-pAGE.
Relevant Links:	• UniProtKB - Q62386

Application Details

Tested Applications:	SDS-PAGE
Application Note:	Interleukin-17AF Heterodimer Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Interleukin-17AF Heterodimer in immunological assays.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
Other:	Endotoxin Level: Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein. Biologic Activity: Measured by kinetic LAL analysis and is typically ≤ 1 EU/µg protein.

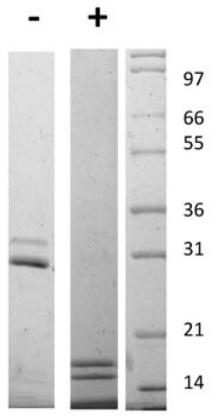
Formulation

Physical State:	Lyophilized
Buffer:	0.1% Trifluoroacetic acid
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	5µl (5-50µl)
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results aliquot contents and freeze at -20° C or colder. Avoid cycles of freezing and thawing. Centrifuge vial before each opening to dislodge contents from the cap and to clarify if contents are not clear after standing at room temperature.
Expiration:	Expiration date is six (6) months from date of receipt.

Images



SDS-PAGE

SDS-PAGE of Mouse Interleukin-17 Animal Free Recombinant Protein. Lane 1: 1 µg Mouse IL-17 AF in non-reducing conditions (-). Lane 2: 1 µg Mouse IL-17 AF in reducing conditions (+). Lane 3: Molecular weight marker. Mouse IL-17 AF is a heterodimer with a predicted total MW of 30.7 kDa.

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