

Datasheet for 012-001-V57-0002**rRat IL-17E (IL-25) Protein****Overview**

Description:	Rat Interleukin-17E (IL-25) Recombinant Protein - 012-001-V57-0002
Item No.:	012-001-V57-0002
Size:	2 µg
Applications:	SDS-PAGE, Cellular Assay
Origin:	Rat
Expressed in:	E. coli

Product Details

Background:	Interleukin-17E (IL-17E), also commonly called IL-25, is a pro-inflammatory cytokine member of a six-species family of proteins (IL-17A-17F). IL-17F stimulates secretion of IL-8 and induces activation of NF-κB by binding to the receptor IL-17RB. Recombinant rat IL-17E is a non-glycosylated, disulfide-linked homodimer, containing two 145 amino acid proteins, with a total molecular weight of 35.5 kDa.
Synonyms:	Interleukin-25, IL-25, Interleukin-17E, IL-17E, IL25, IL17E
Species of Origin:	Rat
Expressed in:	E. coli
Type:	Recombinant Protein
Low Endotoxin:	Yes

Target Details

Gene Name:	Il25
Purity/Specificity:	Interleukin-17E (IL-25) purity was determined to be greater than 97% as determined by HPLC, analysis by UV-Spectroscopy at 280nm, and by reducing and non-reducing SDS-PAGE.
Relevant Links:	• UniProtKB - D3ZLB1

Application Details

Tested Applications:	SDS-PAGE
Suggested Applications:	Cellular Assay (Based on references)
Application Note:	Interleukin-17E Recombinant Protein has been tested by SDS-PAGE and biological activity and is suitable as a control for polyclonal or monoclonal anti-Interleukin-17E 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/ μ g protein. Biologic Activity: The activity is measured by the dose-dependent induction of human IL-8 production in cultured human PBMCs and is typically less than 100 ng/mL.

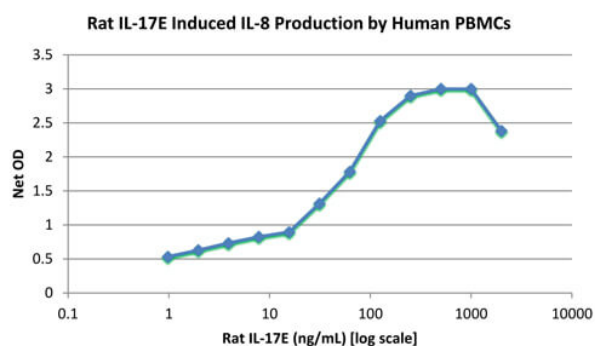
Formulation

Physical State:	Lyophilized
Buffer:	0.1% Trifluoroacetic acid
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	2 μ l (2-20 μ l)
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

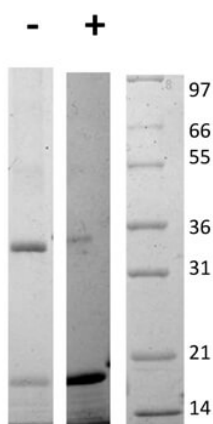
Shipping Condition:	Ambient
Storage Condition:	Store vial at 4° C prior to restoration. Dilute only prior to immediate use. Maintain sterility. This product DOES NOT contain preservative. DO NOT VORTEX. We recommend adding a carrier protein such as HSA or BSA to 0.1% (i.e. 1.0 mg/mL). For best results 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

Bioactivity of Rat Interleukin-17E (IL-25) Recombinant Protein. Human PBMCs were cultured with 0 to 2000 ng/mL Rat IL-17E. Human IL-8 production was measured after 48 hours and the linear portion of the curve was used to calculate the ED50. The ED50 of Rat IL-17E is 25-37.5 ng/mL.



SDS-PAGE

SDS-PAGE of Rat Interleukin-17E (IL-25) Recombinant Protein. Lane 1: 1 µg Rat IL-17E in non-reducing conditions (-). Lane 2: 1 µg Rat IL-17E in reducing conditions (+). Lane 3: Molecular weight marker. Rat IL-17E is a homodimer with a predicted total MW of 35.5 kDa.

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.