Datasheet for ABIN6700028

IL-13 Protein

1 Image

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Overview

Quantity:	10 µg
Target:	IL-13 (IL13)
Origin:	Mouse
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Purpose:	Mouse Interleukin-13 Recombinant Protein
Purification:	Interleukin-13 purity was determined to be greater than 95% as determined by analysis by reducing and non-reducing SDS-pAGE.
Purity:	95,00%
Endotoxin Level:	Measured by LAL is typically ≤ 1 EU/µg protein.
Biological Activity Comment:	The activity is determined by the dose dependent proliferation of TF-1 cells and is typically less than 4 ng/mL.

Target Details

Target:	IL-13 (IL13)
Alternative Name:	IL13 (IL13 Products)
Background:	Synonyms: NC30 Background: Interleukin-13 (IL-13) is an important cytokine secreted from Th2 cells. The

Target Details

	functions attributed to IL-13 overlap significantly with those of IL-4 (induces IgE secretion from B cells and inhibits expression of inflammatory cytokines such as IL-1β, TNF-α, IL-8 and IL-6), but differs from IL-4 in that IL-13 seems to link inflammatory response of immune cells to the pathophysiological changes in the surrounding non-immune cells. The receptor subunits of IL-13 consist of IL-4Rα, IL-13Rα1 and IL-13Rα2. Human and mouse IL-13 are cross-reactive. Recombinant mouse IL-13 is a non-glycosylated protein, containing 111 amino acids, with a molecular weight of 12.3 kDa.
UniProt:	P20109
Pathways:	JAK-STAT Signaling, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response, Proton Transport

Application Details

Application Notes:	Application Note: Interleukin-13 Recombinant Protein has been tested by SDS-PAGE and is suitable as a control for polyclonal or monoclonal anti-Interleukin-13 in immunological assays. Other: User Optimized
Restrictions:	For Research Use only

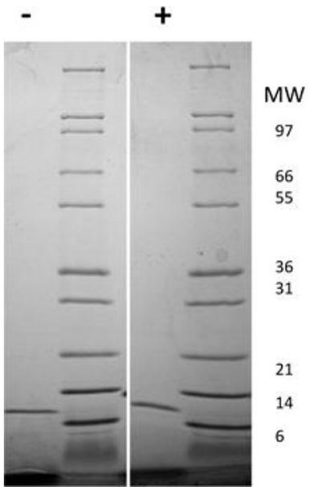
Handling

Format:	Lyophilized
Reconstitution:	Reconstitution_Buffer: Restore with deionized water (or equivalent) Reconstitution_Volume: 100 µL
Concentration:	0.1 mg/mL
Buffer:	Buffer: 0.1 % Trifluoroacetic acid Stabilizer: None
Preservative:	Without preservative
Storage:	-20 °C
Storage Comment:	Store vial at -20° 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.

Handling

Expiry Date:	6 months

Images



SDS-PAGE

Image 1. SDS-PAGE of Mouse Interleukin-13 Recombinant Protein SDS-PAGE of Mouse Interleukin-13 Recombinant Protein. Lane 1: 1 µg Mouse IL-13 in non-reducing conditions . Lane 2: Molecular weight marker. Lane 3: 1 µg Mouse IL-13 in reducing conditions (+). Lane 4: Molecular weight marker. Mouse IL-13 is predicted to be a homodimer with a predicted MW of 12.2 kDa.