Cynomolgus IL-9 Protein

Cat. No. IL9-CM101

Description

Source	Recombinant Cynomolgus IL-9 Protein is expressed from HEK293 with His tag at the C-Terminus.
	It contains Arg19-Ile144.
Accession	A0A7N9IA33
Molecular Weight	The protein has a predicted MW of 14.01 kDa. Due to glycosylation, the protein migrates to 25-30 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

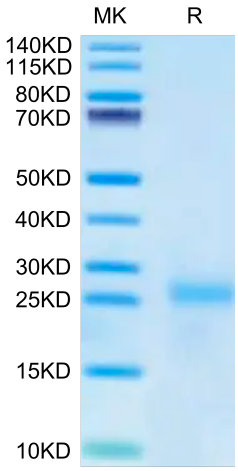
Formulation	Supplied as 0.22μm filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

IL-9 is a pleiotropic cytokine that influences various distinct functions of different target cells such as T cells, B cells, mast cells and airway epithelial cells by activating STAT1, STAT3 and STAT5. Because of its pleiotropic functions, IL-9 has been demonstrated to be involved in several diseases, such as cancer, autoimmunity and other pathogen-mediated immune-regulated diseases. In this review, we focus on the role of Th9 and IL-9-producing cells in allergic asthma.

Assay Data

Tris-Bis PAGE



Cynomolgus IL-9 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.