

# Anti-IL-9 Reference Antibody (enokizumab)

Recombinant Antibody

Catalog # APR10578

## Product Information

---

<b>Application</b>	FC, Kinetics, Animal Model
<b>Primary Accession</b>	<a href="#">P15248</a>
<b>Reactivity</b>	Human
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Calculated MW</b>	15909

## Additional Information

---

<b>Target/Specificity</b>	IL-9
<b>Endotoxin</b>	
<b>Conjugation</b>	Unconjugated
<b>Expression system</b>	CHO Cell
<b>Format</b>	Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

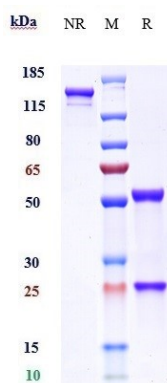
## Protein Information

---

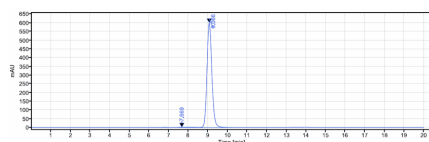
<b>Name</b>	IL9
<b>Function</b>	Multifunctional cytokine secreted mainly by T-helper 2 lymphocytes and also mast cells or NKT cells that plays important roles in the immune response against parasites (PubMed: <a href="#">29742432</a> ). Affects intestinal epithelial permeability and adaptive immunity (PubMed: <a href="#">29742432</a> ). In addition, induces the differentiation of specific T-cell subsets such as IL-17 producing helper T-cells (TH17) and also proliferation and differentiation of mast cells. Mechanistically, exerts its biological effects through a receptor composed of IL9R subunit and a signal transducing subunit IL2RG. Receptor stimulation results in the rapid activation of JAK1 and JAK3 kinase activities leading to STAT1, STAT3 and STAT5-mediated transcriptional programs. Induction of differentiation genes seems to be mediated by STAT1 alone, while protection of cells from apoptosis depends on STAT3 and STAT5.
<b>Cellular Location</b>	Secreted.

## Images

---



Anti-IL-9 Reference Antibody (enokizumab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 90%



The purity of Anti-IL-9 Reference Antibody (enokizumab) is more than 95% ,determined by SEC-HPLC.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.