

**Anti-IL-9 Reference Antibody (enokizumab)  
Recombinant Antibody  
Catalog # APR10578****Specification**

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**Anti-IL-9 Reference Antibody (enokizumab) - Product Information**

Application	FC, Kinetics, Animal Model
Primary Accession	<a href="#">P15248</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

**Anti-IL-9 Reference Antibody (enokizumab) - Additional Information****Target/Specificity**

IL-9

**Endotoxin**

&lt; 0.001EU/ µg,determined by LAL method.

**Conjugation**

Unconjugated

**Expression system**

CHO Cell

**Format**

Purified monoclonal antibody supplied in PBS, pH6.0, without preservative. This antibody is purified through a protein A column.

**Anti-IL-9 Reference Antibody (enokizumab) - Protein Information****Name** IL9**Function**

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="http://www.uniprot.org/citations/29742432" target="\_blank">29742432</a>). Affects intestinal epithelial permeability and adaptive immunity (PubMed:<a href="http://www.uniprot.org/citations/29742432" target="\_blank">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.

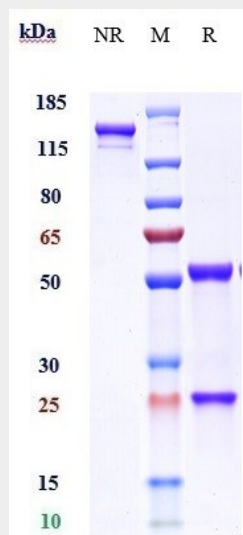
**Cellular Location**  
Secreted.

### Anti-IL-9 Reference Antibody (enokizumab) - Protocols

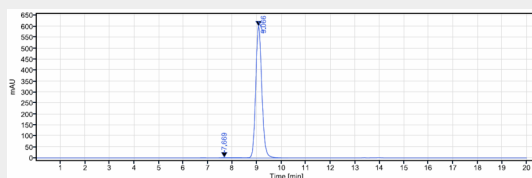
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

### Anti-IL-9 Reference Antibody (enokizumab) - 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.