

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

Specification

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

Application	FC, E, FTA
Primary Accession	P15248
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	145 KDa

Anti-IL-9 Reference Antibody (enokizumab) - Additional Information

Target/Specificity

IL-9

Endotoxin

< 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.

Storage

-80°C for 2 years under sterile conditions □ -20°C for 1 year under sterile conditions □ Avoid repeated freeze-thaw cycles.

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: [29742432](http://www.uniprot.org/citations/29742432)). Affects intestinal epithelial permeability and adaptive immunity (PubMed: [29742432](http://www.uniprot.org/citations/29742432)). 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.

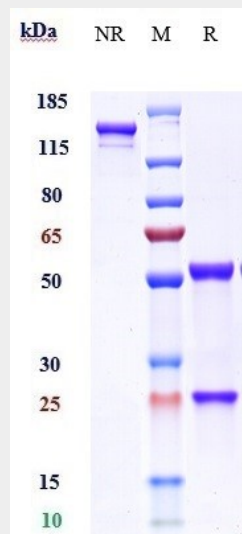
Cellular Location
Secreted.

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

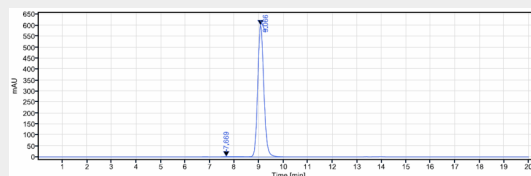
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)

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.