

Catalog # APR10546

### Anti-IL-5 Reference Antibody (depemokimab) Recombinant Antibody

Specification

# Anti-IL-5 Reference Antibody (depemokimab) - Product Information

Application Primary Accession Reactivity Clonality Isotype Calculated MW FC, Kinetics, Animal Model P05113 Human Monoclonal IgG1 145.8 KDa

### Anti-IL-5 Reference Antibody (depemokimab) - Additional Information

Target/Specificity IL-5

**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.

#### Anti-IL-5 Reference Antibody (depemokimab) - Protein Information

Name IL5

Function

Homodimeric cytokine expressed predominantly by T-lymphocytes and NK cells that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed:<a href="http://www.uniprot.org/citations/2653458" target="\_blank">2653458</a>, PubMed:<a href="http://www.uniprot.org/citations/9010276" target="\_blank">9010276</a>). Also acts on activated and resting B-cells to induce immunoglobulin production, growth, and differentiation (By similarity). Mechanistically, exerts its biological effects through a receptor composed of IL5RA subunit and the cytokine receptor common subunit beta/CSF2RB (PubMed:<a href="http://www.uniprot.org/citations/1495999" target="\_blank">22528658</a>). Binding to the receptor leads to activation of various kinases including LYN, SYK and JAK2 and thereby propagates signals through the RAS-MAPK and JAK-STAT5 pathways respectively (PubMed:<a href="http://www.uniprot.org/citations/7613138" target="\_blank">7613138</a>).



**Cellular Location** Secreted.

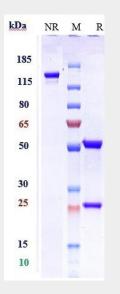
**Tissue Location** Present in peripheral blood mononuclear cells.

## Anti-IL-5 Reference Antibody (depemokimab) - Protocols

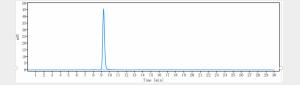
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## Anti-IL-5 Reference Antibody (depemokimab) - Images



Anti-IL-5 Reference Antibody (depemokimab) on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%



The purity of Anti-IL-5 Reference Antibody (depemokimab)is more than 98.75% ,determined by SEC-HPLC.