

# Anti-IL-15 Reference Antibody (ordesekimab)

Recombinant Antibody  
Catalog # APR10453

## Product Information

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Application	FC, Kinetics, Animal Model
Primary Accession	<a href="#">P40933</a>
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	18086

## Additional Information

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Target/Specificity	IL-15
Endotoxin 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.

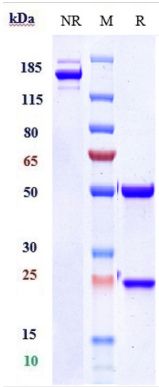
## Protein Information

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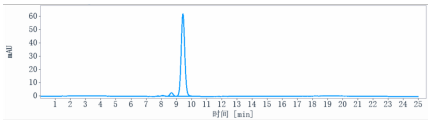
Name	IL15
Function	<p>Cytokine that plays a major role in the development of inflammatory and protective immune responses to microbial invaders and parasites by modulating immune cells of both the innate and adaptive immune systems (PubMed:<a href="#">15123770</a>). Stimulates the proliferation of natural killer cells, T-cells and B-cells and promotes the secretion of several cytokines (PubMed:<a href="#">8178155</a>, PubMed:<a href="#">9326248</a>). In monocytes, induces the production of IL8 and monocyte chemotactic protein 1/CCL2, two chemokines that attract neutrophils and monocytes respectively to sites of infection (PubMed:<a href="#">9326248</a>). Unlike most cytokines, which are secreted in soluble form, IL15 is expressed in association with its high affinity IL15RA on the surface of IL15-producing cells and delivers signals to target cells that express IL2RB and IL2RG receptor subunits (PubMed:<a href="#">10233906</a>, PubMed:<a href="#">23104097</a>, PubMed:<a href="#">8026467</a>). Binding to its receptor triggers the phosphorylation of JAK1 and JAK3 and the recruitment and subsequent phosphorylation of signal transducer and activator of transcription-3/STAT3 and STAT5 (PubMed:<a href="#">7568001</a>). In mast cells, induces the rapid tyrosine phosphorylation of STAT6 and thereby controls mast cell survival and release of cytokines such as IL4 (By similarity).</p>

Cellular Location	[Isoform IL15-S48AA]: Secreted.
Tissue Location	Most abundant in placenta and skeletal muscle. It is also detected in the heart, lung, liver and kidney. IL15-S21AA is preferentially expressed in tissues such as testis and thymus

## Images



Anti-IL-15 Reference Antibody (ordesekimab) 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-15 Reference Antibody (ordesekimab)is more than 95.77% ,determined by SEC-HPLC.

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