

**Anti-IL-5Ra/ CD125 Reference Antibody (benralizumab)
Recombinant Antibody
Catalog # APR10066****Specification**

Anti-IL-5Ra/ CD125 Reference Antibody (benralizumab) - Product Information

Application	FC, E, FTA
Primary Accession	Q01344
Reactivity	Rat, Human, Mouse, Rabbit
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	146.06 KDa

Anti-IL-5Ra/ CD125 Reference Antibody (benralizumab) - Additional Information**Target/Specificity**

IL-5Ra/ CD125

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-5Ra/ CD125 Reference Antibody (benralizumab) - Protein Information**Name** IL5RA**Synonyms** IL5R**Function**

Cell surface receptor that plays an important role in the survival, differentiation, and chemotaxis of eosinophils (PubMed: [9378992](http://www.uniprot.org/citations/9378992)). Acts by forming a heterodimeric receptor with CSF2RB subunit and subsequently binding to interleukin-5 (PubMed: [1495999](http://www.uniprot.org/citations/1495999), PubMed: [22528658](http://www.uniprot.org/citations/22528658)). In unstimulated conditions, interacts constitutively with JAK2. Heterodimeric receptor activation leads to JAK2 stimulation and subsequent activation of the JAK-STAT pathway (PubMed: [9516124](http://www.uniprot.org/citations/9516124)).

Cellular Location

Membrane; Single-pass type I membrane protein.

Tissue Location

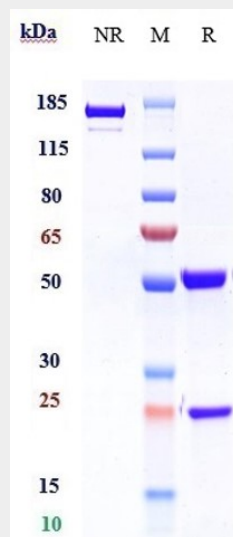
Expressed on eosinophils and basophils.

Anti-IL-5Ra/ CD125 Reference Antibody (benralizumab) - Protocols

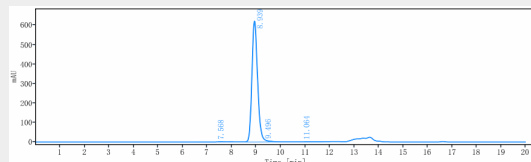
Provided below are standard protocols that you may find useful for product applications.

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

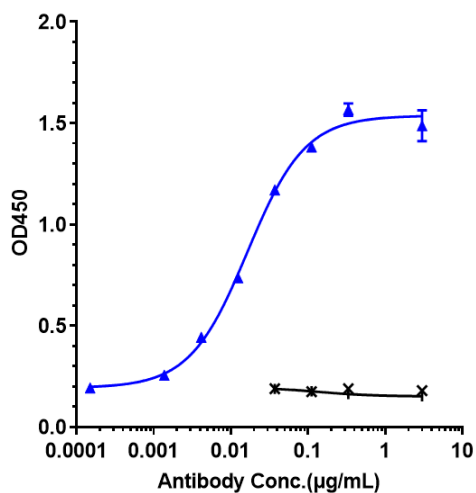
Anti-IL-5Ra/ CD125 Reference Antibody (benralizumab) - Images



Anti-IL-5Ra/ CD125 Reference Antibody (benralizumab) 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-5Ra/ CD125 Reference Antibody (benralizumab) is more than 98.82%, determined by SEC-HPLC.



Immobilized human IL 5R α His at 2 $\mu\text{g/mL}$ can bind Anti-IL-5R α / CD125 Reference Antibody (benralizumab) \square EC₅₀=0.001639 $\mu\text{g/mL}$