

**Anti-C1s Reference Antibody (sutimlimab)
Recombinant Antibody
Catalog # APR10080****Specification**

Anti-C1s Reference Antibody (sutimlimab) - Product Information

Application	FC, Kinetics, Animal Model
Primary Accession	P09871
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG4SP
Calculated MW	144.8 KDa

Anti-C1s Reference Antibody (sutimlimab) - Additional Information**Target/Specificity**
C1s**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-C1s Reference Antibody (sutimlimab) - Protein Information****Name** C1S {ECO:0000303|PubMed:3500856, ECO:0000312|HGNC:HGNC:1247}**Function**

Component of the complement C1 complex, a multiprotein complex that initiates the classical pathway of the complement system, a cascade of proteins that leads to phagocytosis and breakdown of pathogens and signaling that strengthens the adaptive immune system (PubMed:11445589, PubMed:16169853, PubMed:417728, PubMed:467643, PubMed:6271784, PubMed:6282646, PubMed:6319179, PubMed:70787, PubMed:9422791). C1S is

activated following association of the C1 complex with immunoglobulins (IgG or IgM) complexed with antigens to form antigen-antibody complexes on the surface of pathogens (PubMed:34155115). C1s is cleaved and activated by C1R to generate C1s subcomponent heavy and light chains (PubMed:11445589, PubMed:6271784). C1s subcomponent light chain then cleaves and activates C2 and C4, the next components of the classical complement pathway (PubMed:16169853, PubMed:467643, PubMed:6282646, PubMed:6319179, PubMed:6906228, PubMed:70787, PubMed:9422791).

Cellular Location

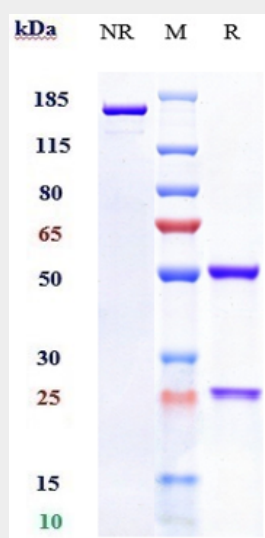
Secreted. Cell surface. Note=Recruited to the surface of pathogens by the C1Q subcomplex.

Anti-C1s Reference Antibody (sutimlimab) - Protocols

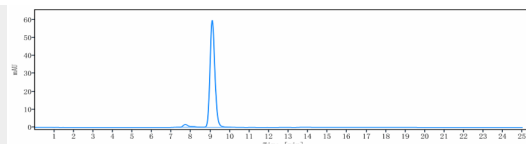
Provided below are standard protocols that you may find useful for product applications.

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

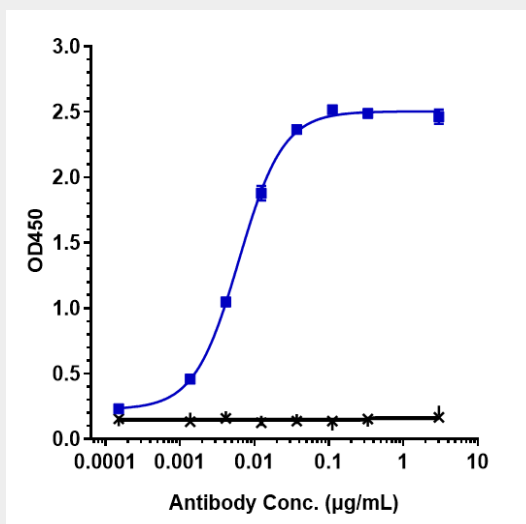
Anti-C1s Reference Antibody (sutimlimab) - Images



Anti-C1s Reference Antibody (sutimlimab) 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-C1s Reference Antibody (sutimlimab) is more than 96.87% ,determined by SEC-HPLC.



Immobilized human C1S His at 2 µg/mL can bind Anti-C1s Reference Antibody (sutimlimab) □EC50=0.006163 µg/mL