

Human Complement C1S Subcomponent, C1S ELISA Kit | C1S elisa kit

Human Complement C1S Subcomponent, C1S Primacu ELISA Kit

CATALOG #
AAA124132

REACTIVITY
Human

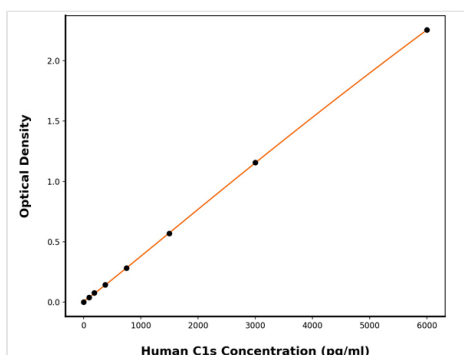
PRODUCT SYNONYMS

Complement C1S Subcomponent; C1S; Human Complement C1S Subcomponent; C1S Primacu ELISA Kit; Complement C1s subcomponent; C1s; C1S elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernates
Detection Range	93.75-6000pg/mL
Sensitivity	41.48pg/mL
Standard Solution	60ng/mL
Assay Time	3.5h
Preparation and Storage	Store at 2-8 degree C

IMAGES



Standard Curve (Sample)

Typical Testing Data/Standard Curve (for reference only)

ADDITIONAL INFORMATION

Related Product Information for C1S elisa kit	Complement is an integral component of the adaptive and innate immune systems and represents one of the major effector systems for the immune responses. The classical complement pathway is triggered by C1, a complex composed of the binding protein C1q and two proenzymes, C1r and C1s. Upon binding of IgG to the head of C1q, C1r undergoes autoactivation and in turn cleaves and activates C1s. C1r and C1s, the proteases responsible for activation and proteolytic activity of the C1 complex of complement, share similar overall structural organizations featuring five nonenzymic protein modules (two CUB modules surrounding a single EGF module, and a pair of CCP modules) followed by a serine protease domain. Besides highly specific proteolytic activities, both proteases exhibit interaction properties associated with their N-terminal regions. In contrast, C1r and C1s widely differ from each other by their glycosylation patterns: both proteins contain Asn-linked carbohydrates, but four glycosylation sites are present on C1r, and only two on C1s. As a highly specific serine protease, C1s executes the catalytic function of the C1 complex: the cleavage of C4 and C2, and thus instigates a sequence of activation steps of other components of the complement system, culminating in the formation of the membrane attack complex which induces cell lysis. Like other complement serine proteases C1s has restricted substrate specificity and it is engaged into specific interactions with other subcomponents of the complement system. The only other protein known to interact with C1s physiologically is SerpinC1, an inhibitor of serine protease, which inhibits C1s activity and thus plays a regulatory role in controlling the function of C1s enzyme.
Product Categories/Family for C1S elisa kit	Primacu ELISA Kit; Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502495
NCBI GeneID	716
NCBI Accession #	NP_001725.1
NCBI GenBank Nucleotide #	NM_001734.3
UniProt Accession #	P09871; Q9UCU7; Q9UCU8; Q9UCU9; Q9UCV0; Q9UCV1; Q9UCV2; Q9UCV3; Q9UCV4; Q9UCV5; Q9UM14; D3DUT4
Molecular Weight	76,684 Da
NCBI Official Full Name	complement C1s subcomponent
NCBI Official Synonym Full Names	complement component 1, s subcomponent
NCBI Official Symbol	C1S
NCBI Protein Information	complement C1s subcomponent; C1 esterase; basic proline-rich peptide IB-1; complement component 1 subcomponent s
UniProt Protein Name	Complement C1s subcomponent
UniProt Gene Name	C1S
UniProt Entry Name	C1S_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/complement-c1s-subcomponent-c1s/124132>