
C1s (49) Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 250214

Unit: 0.2 mg

Description:

C1s proenzyme is a 79.8 kDa glycoprotein produced primarily by hepatocytes but also by other cells. The proenzyme is produced as a single-chain polypeptide of 688 aa. Upon activation the peptide is cleaved between R437 and I438 giving the activated enzyme consisting of two disulfide-linked chains, A chain (52.2 kDa) and B chain (27.7 kDa). The Ca-dependent catalytic subunit of the C1 complex (C1q, C1r, C1s) comprises of two C1s and two C1r molecules and this serine protease tetramer is responsible for the initial steps in the classical complement pathway, cleavage of C4 and C2. This antibody is specific for C1s proenzyme and activated free C1s and C1s in complex with C1 inhibitor.

Isotype: Mouse IgG1/k

Applications: E

Species Reactivity: H

Format: Each vial contains 0.2 mg IgG in 0.2 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-A/G affinity chromatography.

Alternate Names: C1 Esterase

Accession No.: P09872

Antigen: Human plasma C1s Proenzyme

Application Notes: Product Cat. No. 250214 reacts in ELISA when tested with activated C1s enzyme directly coated onto the microtiter well or in sandwich ELISA in combination with a polyclonal antibody in coat. E: 1:1,000

Storage: Store at 4°C. Product is guaranteed 6 months from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.