

Product datasheet for **AM26363PU-N**

C1S (activated) Mouse Monoclonal Antibody [Clone ID: M241]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M241
Applications:	ELISA, FN, IHC, IP, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: The typical starting working dilution is 1:10. Immunohistochemistry on paraffin sections: The typical starting working dilution is 1:10. Flow cytometry. Functional assays. Immunoassays (blocks C4 activation and C4 binding to activated C1s). Immunoprecipitation. Western blot: The typical starting working dilution is 1:10.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Specificity:	Monoclonal antibody M241 reacts with an epitope on human C protein activated C1s. The epitope recognised by the antibody is domain IV and/or V of the gamma-domain of activated C1s. It binds specifically to the active centre of C1s.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin
Concentration:	lot specific
Purification:	Protein G
Conjugation:	Unconjugated
Storage:	Store at 2 - 8 °C.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 1, s subcomponent



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Database Link: [Entrez Gene 716 Human P09871](#)

Background: C protein activated C1s is a subcomponent of the first component of C (C1). Activated C1s is a glycosylated single-polypeptide zymogen of 85 kD. Activation of the proenzyme C1s occurs through cleavage by the active form of C1r. The activated protease, activated C1s, consists of a disulfide-linked H chain and a L chain. Activated C1s is a serine protease and its catalytic site is located in the L chain. Activation of the classical C pathway is triggered by activated C1s which cleaves C4 and C2 to form the C3 convertase, C4bC2a.

Synonyms: C1 esterase, Complement C1s, Complement 1s