OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AM26244PU-N

C1S Mouse Monoclonal Antibody [Clone ID: M81]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M81
Applications:	ELISA, FN, IHC, IP, WB
Recommended Dilution:	Immunohistochemistry on frozen and paraffin sections: The typical starting working dilution is 1:10. Flow cytometry: The typical starting working dilution is 1:10. Functional assays: Inhibiting C4 binding and activation. Immunoassays. Immunoprecipitation. Western blot: The typical starting working dilution is 1:10.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	Monoclonal antibody M81 reacts with an epitope on human C protein activated C1s, a subcomponent of the first component of C (C1). The epitope recognised by the antibody M81 is domain IV and/or V of the gamma-domain of activated C1s. It blocks C4 activation and C4 binding to activated C1s. The antibody reacts around the binding site of C1s and reacts with both active and inactive 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

View online »

Database Link: Entrez Gene 716 Human
P09871

Background: Activated C1s is a glycosylated single-polypeptide zymogen, MW 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