

Product datasheet for **AM32117PU-N**

CD46 (SCR2 Dom.) Mouse Monoclonal Antibody [Clone ID: M177]

Product data:

Product Type:	Primary Antibodies
Clone Name:	M177
Applications:	ELISA, FN, IHC, IP, WB
Recommended Dilution:	Flow Cytometry. Immunoassay. Immunohistochemistry on frozen and paraffin sections. Immunoprecipitation. Western blot. Instructions for use For immunohistology, flow cytometry and Western blotting dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1/10. For inhibition of biological activity in vitro dilutions have to be made according to the amounts of CD46 to be inactivated.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	The monoclonal antibody M177 reacts with the SCR2 domain of CD46.
Formulation:	PBS State: Liquid State: Liquid purified Ig fraction Stabilizer: 0,1% BSA
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	CD46 molecule



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Database Link: [Entrez Gene 4179 Human P15529](#)

Background: CD46, also designated membrane cofactor protein, is a 45-70 kDa protein with genetic and tissue-specific heterogeneity. It is expressed on every cell and tissue, with the exception of erythrocytes. CD46 serves to down-regulate the activation of complement on host tissue. It performs this function by serving as a cofactor which binds to C3b and C4b. This binding is permitted by factor I, a serine protease of plasma, to degrade C3b and C4b and serves to protect the host cell against autologous attack. It also serves as a receptor for measles virus. Four isoforms of CD46 predominate and arise by alternative splicing of a single CD46 gene. The isoforms differ in the length. CD46 cDNA encodes a signal sequence followed by four complement control protein domains (also called short consensus repeats (SCR)).

Synonyms: TLX, MIC10