

## Product datasheet for **AM26242PU-N**

### Complement C9 (C9) Mouse Monoclonal Antibody [Clone ID: X197]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	X197
Applications:	ELISA, FN, IHC, 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. Immunoassay. Western blot: The typical starting working dilution is 1:10. Functional assay: Inhibits C9 binding to C5b-8.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	This antibody detects C9.
Formulation:	PBS State: Purified State: Liquid 0.2 µm filtered Ig fraction Stabilizer: 0.1% bovine serum albumin Preservative: 0.02% sodium azide
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 9
Database Link:	<a href="#">Entrez Gene 735 Human P02748</a>



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**Background:**

Human C9 is a soluble glycoprotein of 61 kD. It is the last component in the assembly of the membrane attack complex (MAC). When the complement is activated on target membranes, multiple copies of C9 bind to the C5b-8 complex and assemble the barrel-shaped pore which causes cell lysis. The conformation of C9 changes from globular to a tubular form. The binding of C9 to C5b-8 plays a key role in the function of C9.

**Synonyms:**

Complement component C9, Complement 9