

AM26242PU-N**Monoclonal Antibody to Complement C9 - Purified**

Alternate names:	Complement 9, Complement component C9
Quantity:	0.1 mg
Concentration:	0.1 mg/ml
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.
Uniprot ID:	P02748
NCBI:	NP_001728.1
GeneID:	735
Host / Isotype:	Mouse / IgG1
Recommended Isotype Controls:	SM10P (for use in human samples), AM03095PU-N
Clone:	X197
Format:	State: Liquid 0.2 µm filtered Ig fraction Purification: Protein G Buffer System: PBS Preservatives: 0.02% sodium azide Stabilizers: 0.1% bovine serum albumin
Applications:	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. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody detects C9.
Species Reactivity:	Tested: Human
Storage:	Store at 2 - 8 °C. Shelf life: one year from despatch.
General Readings:	1. Hatanaka M, Seya T, Yoden A, Fukamoto K, Semba T, Inai S. Analysis of C5b-8 binding sites in the C9 molecule using monoclonal antibodies: participation of two separate epitopes of C9 in C5b-8 binding. Mol Immunol. 1992 Jul-Aug;29(7-8):911-6. PubMed PMID: 1378934.