

Product datasheet for **AM05623PU-N**

Complement C7 (C7) Mouse Monoclonal Antibody [Clone ID: 030-113.7.5.4]

Product data:

Product Type:	Primary Antibodies
Clone Name:	030-113.7.5.4
Applications:	ELISA, FN, WB
Recommended Dilution:	ELISA. Western Blot. Functional Assays: Removal of Sodium Azide is recommended prior to use.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified human C7
Specificity:	This antibody recognises complement component 7 (C7), a 110 kDa glycoprotein present in the blood serum. Note that this antibody does not recognise membrane bound complement membrane attack complex. This antibody inhibits lysis of sensitised sheep erythrocytes.
Formulation:	Borate buffered saline pH8.2 - 8.4 containing 0.02% Sodium Azide (NaN ₃) State: Purified State: Liquid purified IgG
Concentration:	lot specific
Purification:	Affinity chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 7
Database Link:	Entrez Gene 730 Human P10643



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Background:	The factor I domain of C7 binds the C terminus of the C5 alpha-chain, acting as a membrane anchor. This enables the assembly of the complement membrane attack complex (MAC) and consequent complement lytic activity. C7 deficiency is associated with increased susceptibility to recurrent infections, in particular by <i>Neisseria meningitides</i> .
Synonyms:	Complement component C7, Complement 7
Protein Families:	Druggable Genome, Secreted Protein
Protein Pathways:	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus