

## Product datasheet for **AM26257PU-N**

### Complement C5 (C5) Mouse Monoclonal Antibody [Clone ID: 2952]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	2952
Applications:	ELISA, FN, IHC, WB
Recommended Dilution:	Immunohistochemistry on frozen sections: The typical starting working dilution is 1:50. Immunohistochemistry on paraffin sections: The typical starting working dilution is 1:50. Functional assays. Immunoassays. Western blot: The typical starting working dilution is 1:50.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Specificity:	Monoclonal antibody 2952 reacts with a neo-epitope on C5a (des-Arg) that is formed upon cleavage of C5 into C5a and C5b.
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 5
Database Link:	<a href="#">Entrez Gene 727 Human P01031</a>



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**Background:**

C5 is involved in the activation of the lytic pathway within the complement system which is an important factor in innate immunity. The complement pathways can be divided in the activation pathways and lytic pathway. The activation pathways lead via C3 to the cleavage of the fifth complement component C5. C5a induces smooth muscle contraction, increases vascular permeability, causes degranulation of mast cells and basophils, and release of lysosomal enzymes. In addition C5a stimulates the directed migration of neutrophils, eosinophils, basophils and monocytes. Recent studies indicate the modulation of the acute-phase response in liver and an overall immune response by inducing synthesis of cytokines such as TNF-alpha IL-1beta, IL-6 and IL-8.

**Synonyms:**

CPAMD4, Complement component 5