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Negative Regulation of Degradation of Complement

National Cancer Institute

Source

National Cancer Institute. *Negative Regulation of Degradation of Complement*. NCI Thesaurus. Code C40684.

Complement Stabilization inhibits conjugation, transport, oxidation, or proteolysis of complement system proteins; sequentially interacting serum proteins (some serine proteases), their receptors, and related regulatory proteins. Activated by cell-surface bound antibody, immune complexes, or a microbial membrane carbohydrate, complex complement cascades (classical or properdin pathway) generate Membrane Attack Complex, which creates target cell wall pores and lysis. The complement system also plays a role in antibody-dependent cytotoxicity, anaphylaxis, phagocytosis, opsonization, chemotaxis, and hemolysis.