



# Human C3 Protein (DAG160)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

Species	Human
Conjugate	Unconjugated
Applications	ELISA
Preservative	None
Storage	2-8°C short term, -20°C long term

## BACKGROUND

Introduction	C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates. Derived from proteolytic degradation of complement C3, C3a anaphylatoxin is a mediator of local inflammatory process. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes.
Keywords	acylation-stimulating protein cleavage product; AHUS5; ARMD9; ASP; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; C3; C3a anaphylatoxin; C3a; C3b; CO3; Complement C3; Complement C3c alpha chain fragment 2; Complement C3c; Complement co