

## Product datasheet for BA150

### Complement C3b Human Protein

#### Product data:

Product Type:	Native Proteins
Description:	Complement C3b human protein, 0.1 mg
Species:	Human
Protein Source:	Serum
Concentration:	lot specific
Purity:	>90% by SDS-PAGE
Buffer:	Presentation State: Purified State: Liquid purified Antigen Buffer System: PBS, pH 7.2 Preservative: None Stabilizer: None
Preparation:	Liquid purified Antigen
Applications:	<b>ELISA.</b>
Protein Description:	Purified complement component 3b (C3b) from Human serum. <b>Disease status:</b> Source serum was tested negative for HBsAg and for antibodies to HIV and HCV.
Storage:	Store (aliquotted) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: One year from despatch.
RefSeq:	<a href="#">NP_000055</a>
Locus ID:	718
Cytogenetics:	19p13.3
Synonyms:	AHUS5; ARMD9; ASP; C3a; C3b; CPAMD1; HEL-S-62p



[View online »](#)

**Summary:**

Complement component C3 plays a central role in the activation of complement system. Its activation is required for both classical and alternative complement activation pathways. The encoded preproprotein is proteolytically processed to generate alpha and beta subunits that form the mature protein, which is then further processed to generate numerous peptide products. The C3a peptide, also known as the C3a anaphylatoxin, modulates inflammation and possesses antimicrobial activity. Mutations in this gene are associated with atypical hemolytic uremic syndrome and age-related macular degeneration in human patients. [provided by RefSeq, Nov 2015]

**Protein Families:**

Druggable Genome

**Protein Pathways:**

Complement and coagulation cascades, Systemic lupus erythematosus