



Human C3b (DAG4657)

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

PRODUCT INFORMATION

Product Overview	Human C3b
Antigen Description	C3b is derived from native C3 upon cleavage and release of C3a. It is prepared by cleavage with the alternative pathway C3 convertase. This is important because only a single bond in C3 is cleaved by the native convertase, while cleavage by other protease
Species	Human
Purity	> 90% by SDS-PAGE
Conjugate	Unconjugated
Applications	immunogen
Format	Liquid
Concentration	1.0 mg/ml (see Certificate of Analysis for actual concentration)
Buffer	10 mM sodium phosphate, 145 mM NaCl, pH 7.3
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	C3b is the larger of two elements formed by the cleavage of complement component 3. C3b covalently bonds to microbial cell surfaces within an organism's body. This leads to the production of surface-bound C3 convertase and thus more C3b components. Bound C3b also aids in opsonization of the microbe by macrophages. Complement receptor 1 (CR1) on macrophages allows the engaging of C3b covered microbes. C3b also aids in the clearance of
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immune complexes (antigen-antibody).

Keywords

C3b-Bata; C3b-Bata; C3b-Bata; C3b; ARMD9; AHUS5; ASP; Plp; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1; C3; C3a anaphylatoxin; Complement C3 alpha chain; Complement C3; Complement C3 beta chain; Complement C3 precursor; Complement C3
