



Human C4b Binding Protein (DAG4666)

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

PRODUCT INFORMATION

Product Overview	Human C4b Binding Protein
Antigen Description	C4b binding protein (C4BP) regulates complement activation of the classical and lectin pathways. It binds to C4b and accelerates the dissociation of C2a from the C3/C5 convertase C4b,C2a. This inactivates the central enzyme of both pathways. It also funct
Species	Human
Conjugate	Unconjugated
Applications	immunogen
Preservative	None
Storage	2-8°C short term, -20°C long term

BACKGROUND

Introduction	C4 plays a central role in the activation of the classical pathway of the complement system. It is processed by activated C1 which removes from the alpha chain the C4a anaphylatoxin. The remaining alpha chain fragment C4b is the major activation product and is an essential subunit of the C3 convertase (C4b2a) and the C5 convertase (C3bC4b2a) enzymes of the classical complement pathway. Derived from proteolytic degradation of complement C4, C4a 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.
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Keywords	C4B; complement component 4B (Chido blood group); complement component 4B; complement C4-B; C4B1; C4B3; C4F; CH; CO4; CPAMD3; Chido form of C4; complement C4B1a; basic complement C4; C3 and PZP-like alpha-2-macroglobulin domain-containing protein 3; C4B2;
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