

CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	C2, Human, Polyclonal	Expiry date	-
Catalog number	HP9066	Amount	N.A.
Lot number	-	Concentration	>40 mg/ml
Volume	1 ml	Conjugate	None
Formulation	0.2 µm filtered in PBS + 0.09% NaN ₃	Purification	Purified
Host species	Goat IgG		
Endotoxin	N.A.		
Storage	4°C		

Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes						•	•	•
No								
N.D.	•	•	•	•	•			

N.D. = Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions.

- IA: The antibody can be used as detection antibody.
- W: A non-reduced and reduced sample treatment was used. The effective dilution was 4000x - 8000x.

General Information

Description	Glycoprotein complement factor C2 is key in the classical and lectin pathway. Its proteolytic subunit is part of as well the C3 as C5 convertase. In CP C2 is cleaved by C1s and in the LP by MASP2. C2 binds to membrane bound C4b. After cleavage C2b is released and C2a forms with C4b the C3 convertase (C4bC2a). After proteolysis of C3 into C3a and C3b, the latter fragment associates with the C4bC2a complex in order to form the C5 convertase. The formation of both convertases is crucial in complement activation and to initiate the terminal part of the cascade. Synthesis of C2 is predominantly in hepatocytes, macrophages and lung epithelial cells. Individuals with C2-deficiency appear healthy, though there are some associations with SLE, atherosclerosis and increased risk to some type of infections.		
Immunogen	Purified human complement C2.		
Aliases	Complement component C2.		
Gene	Gene name: C2	Entrez Gene ID: 717	Uniprot: P06681
Storage&stability	Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.		
Precautions	For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.		

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC
Robbert Zwinkels

Date
21/12/2018

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.