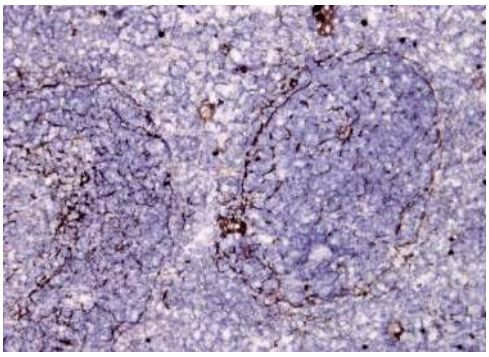
CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

Product name	C3, Mouse, pAb		
Catalog number	HP8012		
Lot number	-	**Expiry date**	-
Volume	1 ml	**Amount**	100 µg
Formulation	0.2 µm filtered in PBS+0.1%BSA+0.02%NaN3	**Concentration**	100 µg/ml
Host species	Rabbit IgG	**Conjugate**	None
Endotoxin	N.A.	**Purification**	Protein G
Storage	4°C		

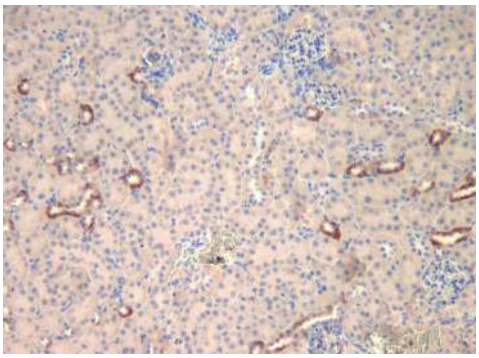
Application notes

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #	2		3					1
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



IHC-F: picture of an IHC experiment with HP8012, frozen sections. Positive staining in mouse spleen. The antibody was used in a 20x dilution.



IHC-P: picture of an IHC experiment with HP8012, paraffin embedded sections. Positive staining in mouse kidney. The antibody was used in a 100x dilution.

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

- IHC-F: Sections were permeabilized in cold acetone for 10 minutes.
- IHC-P: Epitope retrieval for the FFPE sections was performed using the PT-module (Lab Vision) with heat induced epitope retrieval pH 9 (HIER).
- Positive control: Kidney, Spleen.

General Information

Description The complement factor C3 consists of an alpha- and a beta-chain. C3 is a central factor in the complement cascade. It is central to the alternative pathway that leads to the C3 convertase C3bBb. The classical and mannose binding lectin activation pathways lead to the C3 convertase C4b2a. These convertases cleave C3 resulting in C3a and C3b. Further degradation leads to formation of the alpha-chain products C3d, C3g and C3c. C3 is an acute phase protein that is produced by a wide range of tissues including renal epithelial cells and hepatocytes.

Aliases Complement component C3, HSE-MSF

Gene Gene name: C3

References

1. Cashman, S et al; Expression of complement component 3 (C3) from an adenovirus leads to pathology in the murine retina. Inv Opht Vis Scie 2011, *52*: 3436

2. Bengtson, A et al; Pharmacokinetics, Tolerability, and Preliminary Efficacy of Paquinimod (ABR-215757), a New Quinoline-3-Carboxamide Derivative: studies in lupus-prone mice and a multicenter, randomized, double-blind, placebo-controlled, repeat-dose, dose-ranging study in patients with systemic lupus erythematosus. Arthritis Rheum 2012, 64: 1579
3. Tati, R et al. Complement activation associated with ADAMSTS13 deficiency in human and murine thrombotic microangiopathy. JI 2013, *191*:2184

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	Date
Robbert Zwinkels	13/03/2018

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