

Anti-Complement component C4c

Mouse monoclonal antibody

Subclass: IgG2b/k

Clone: 99-72-18

CAT. NO.

CAM 072-18

SPECIFICITY	CAM 072-18 binds human complement factor C4c.
IMMUNOGEN	Synthetic peptide consisting of the last 15C-terminal residues of the C4c α_4 -domain (Cys-EELVYELNPLDHRGR).
TESTED APPLICATIONS	ELISA, WB, IP, IHC, IF
SPECIES REACTIVITY (POSITIVE)	Human
SPECIES REACTIVITY (NEGATIVE)	Not determined
EPITOPE SPECIFICITY	Not determined

PRESENTATION

Content:	Available in 400 μ L and 1 mL size. 1 mg/mL +/- 15%. See Certificate of Analysis for details.
Preparation:	Protein-A purified
Form:	Liquid
Solvent:	0.01 M phosphate buffer, pH 7.4, containing 0.5 M NaCl and 15 mM sodium azide
Storage:	4-8°C without exposure to light. No precautions necessary during handling.

APPLICATION

ELISA: CAM 072-18 was used in ELISA (1). When CAM 072-18 (4 μ g/mL) was used as a capture antibody, biotinylated HYB 162-02 (0.4 μ g/mL) was used as the detection antibody in order to measure C4c.

WB: CAM 072-18 was used in Western blot (1).

IP: CAM 072-18 was used in immunoprecipitation (1).

IHC: CAM 072-18 was used in IHC in formaline fixed paraffin embedded tissue with a dilution of 1:600.

IF: CAM 072-18 was used in IF with a dilution of 1:200.

TARGET

C4c is a component in the complement cascade and is a degradation product of C4b which is cleaved by C4b/C3b inactivator to yield C4d and C4c (soluble). C4c consists of a γ -chain (30 kDa), a β -chain (75 kDa), and two α -domains denoted α_3 (27 kDa) and α_4 (14 kDa). C4c reacts with C1 and C2 to form C3 convertase of the classic activation pathway.

REFERENCES

- Pilely K, Skjodt MO, Nielsen C, Andersen TE, Aabom AL, Vitved L, Koch C, Skjodt K, Palarasah Y (2014) A specific assay for quantification of human C4c by use of an anti-C4c monoclonal antibody. J Immunol Methods 405:87-96.

CONDITIONS

Unless otherwise marked, all products are for research use only. Not for use in diagnostic procedures. Not for use in human therapeutic applications. For in vitro use or further manufacture only. The information and product are offered without guarantee as the ultimate conditions of use are beyond our control. The foregoing is in lieu of all warranties, expressed or implied, including implied warranties of merchantability and fitness for a particular purpose. In no event shall BioPorto Diagnostics A/S be responsible for loss of profits or indirect consequential losses resulting from use of its products.