

Anti-Complement Component C3 (human)

Mouse monoclonal antibody

Subclass: IgG1/k

Clone: F1-8

CAT. NO.

CAM 008-01

SPECIFICITY	CAM 008-01 is specific for human complement component 3 (C3/C3b/C3c).
IMMUNOGEN	Complement component 3 (C3) purified from human plasma.
TESTED APPLICATIONS	ELISA, IP, IAP
SPECIES REACTIVITY (POSITIVE)	Human, other species not determined
SPECIES REACTIVITY (NEGATIVE)	Not determined.
EPITOPE SPECIFICITY	The antibody CAM 008-01 reacts with the 75 kd beta-chain of the human complement factor 3.

PRESENTATION

Content:	Available in 400 µL 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 008-01 was used in ELISA (1).
Immunoprecipitation (IP): CAM 008-01 was used in IP (1).
Immunoaffinity Purification (IAP): CAM 008-01 was used in IAP (1).

TARGET

C3 is a central component of the complement system, consisting of a beta-chain (75 kDa) and an alpha-chain (110 kDa) connected by cystein bridges. Cleavage of C3 into C3b (177 kDa) and C3a (9 kDa) is a pivotal step in the complement activation cascade, which can be initiated by three distinct pathways—the classical, the lectin and the alternative complement pathway.

REFERENCES

1) Palarasah Y, Skjodt K, Brandt J, Teisner B, Koch C, Vitved L, Skjoedt MO: Generation of a C3c specific monoclonal antibody and assessment of C3c as a putative inflammatory marker derived from complement factor C3. J Immunol Methods 362:142-150, 2010

CONDITIONS

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