

Polyclonal Antibody to Complement C3c - FITC

Alternate names:	C3 and PZP-like alpha-2-macroglobulin domain-containing protein 1, CPAMD1, Complement component 3
Catalog No.:	SP1103F
Quantity:	1 ml
Concentration:	10 mg/ml
Background:	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 mannose binding lectin activation pathway leads to the C3 convertase C4b2a. These convertases cleave C3 resulting in C3a and C3b. Further degradation leads to the 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.
Uniprot ID:	P01024
NCBI:	NP_000055
GeneID:	718
Host:	Sheep
Immunogen:	Human C3 purified from serum
Format:	State: Liquid purified IgG Purification: Ion exchange chromatography Buffer System: PBS, pH 7.2 containing 0.09% Sodium Azide as preservative Label: FITC – Fluorescein Isothiocyanate Isomer 1
Applications:	Immunohistochemistry on frozen sections: 1/50 - 1/100. Recommended Positive Control: Human skin. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognises the C3c component of complement, formed as a result of the inactivation of C3b. The reagent may be used for the detection of C3 deposits in tissues following complement activation. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light. Shelf life: one year from despatch.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com

- General References:**
1. Kennedy, M.W. & Kuo, Y.M. (1988) The surfaces of the parasitic nematodes *Trichinella spiralis* and *Toxocara canis* differ in the binding of post-C3 components of human complement by the alternative pathway. *Parasite Immunol.* 10:459-63.
 2. Oyeyinka, G.O. et al. (2003) The effects of ageing on the immune response to *Schistosoma haematobium* and hookworm by measuring circulating immune complexes, C3, IgG, IgA and IgM levels in residents of Omi dam area of Kogi State, Nigeria. *Afr J Med Med Sci.* 32: 263-7.

For research and in vitro use only. Not for diagnostic or therapeutic work.

Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Antibody Hotline - Technical Questions - Antibody Location Service
Free Call: 0800-2274746 (Germany only) - www.acris-antibodies.com