Datasheet: AHP031F

BATCH NUMBER 170628

Description:	SHEEP ANTI HUMAN C3c:FITC
Specificity:	C3c
Other names:	COMPLEMENT COMPONENT 3c
Format:	FITC
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	1 ml

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen	▪			1/50 - 1/100
Immunohistology - Paraffin			▪	

Where this antibody has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the antibody for use in their own system using appropriate negative/positive controls.

Target Species

Human

Product Form

Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid

Max Ex/Em

Fluorophore	Excitation Max (nm)	Emission Max (nm)
FITC	490	525

Antiserum Preparation

Antisera to human C3c were raised by repeated immunisation of sheep with highly purified antigen. Purified IgG was prepared by ion exchange chromatography.

Buffer Solution

Phosphate buffered saline

Preservative Stabilisers

0.09% Sodium Azide

Approx. Protein

IgG concentration 10 mg/ml

Concentrations	
Immunogen	Human C3 purified from serum.
External Database Links	**UniProt:** P01024 Related reagents **Entrez Gene:** 718 C3 Related reagents
Synonyms	CPAMD1
Specificity	**Sheep anti Human C3c antibody** recognizes the C3c component of human complement, formed as a result of the inactivation of C3b. Sheep anti Human C3c antibody may be used for the detection of C3 deposits in tissues following complement activation.
Histology Positive Control Tissue	Human skin
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. 3. Rojana-Udomsart, A. *et al.* (2013) Complement-mediated muscle cell lysis: A possible mechanism of myonecrosis in anti-SRP associated necrotizing myopathy (ASANM). J Neuroimmunol. 264: 65-70. 4. Akinlade, K.S. *et al.* (2004) Circulating immune complexes, immunoglobulin classes (IgG, IgA and IgM) and complement components (C3c, C4 and Factor B) in diabetic Nigerians. West Afr J Med. 23 (3): 253-5.
Storage	Store at +4°C or at -20°C if preferred. This product should be stored undiluted. Storage in frost free freezers is not recommended. This product is photosensitive and should be protected from light. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Guarantee	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/AHP031F 10040

Regulatory	For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: bio-rad-antibodies.com/datasheets

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