

Datasheet: AHP031F

**BATCH NUMBER 155035**

<b>Description:</b>	SHEEP ANTI HUMAN C3c:FITC
<b>Specificity:</b>	C3c
<b>Other names:</b>	COMPLEMENT COMPONENT 3c
<b>Format:</b>	FITC
<b>Product Type:</b>	Polyclonal Antibody
<b>Isotype:</b>	Polyclonal IgG
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Human		
<b>Product Form</b>	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid		
<b>Max Ex/Em</b>	<b>Fluorophore</b>	<b>Excitation Max (nm)</b>	<b>Emission Max (nm)</b>
	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** 0.099% Sodium Azide

**Approx. Protein** IgG concentration 10 mg/ml

## Concentrations

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**Immunogen** Human C3 purified from serum.

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## External Database Links

**UniProt:**

[P01024](#)   [Related reagents](#)

**Entrez Gene:**

[718](#)   C3   [Related reagents](#)

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**Synonyms** CPAMD1

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**RRID** AB\_321213

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**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.

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**Histology Positive Control Tissue** Human skin

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## 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.](#)
  5. 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 \(1-2\): 65-70.](#)
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**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.

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**Guarantee** 12 months from date of despatch

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**Health And Safety Information** Material Safety Datasheet documentation #10040 available at:  
<https://www.bio-rad-antibodies.com/SDS/AHP031F>  
10040

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**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](https://www.bio-rad-antibodies.com/datasheets)  
'M363756:200529'

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