

Datasheet: 2222-8354

BATCH NUMBER 148379

Description:	SHEEP ANTI HUMAN C5
Specificity:	C5
Other names:	COMPLEMENT COMPONENT 5
Format:	Ig Fraction
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
Immunohistology - Paraffin	▪			1/100
ELISA			▪	
Immunodiffusion	▪			

Where this product 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 product for use in their own system using the appropriate negative/positive controls.

Target Species	Human
Product Form	Ig fraction - liquid
Preparation	Ig fraction prepared by ion exchange chromatography
Buffer Solution	Glycine buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃) 0.1% E-amino-n-caproic acid (EACA) 0.01% Benzamidine 1 mM ethylenediaminetetraacetic acid (EDTA)
Immunogen	Human C5, purified from plasma.

**External Database
Links**

UniProt:

[P01031](#) [Related reagents](#)

Entrez Gene:

[727](#) C5 [Related reagents](#)

Synonyms

CPAMD4

RRID

AB_2067052

Specificity

Sheep anti human C5 polyclonal antibody recognizes complement component 5 (C5), a member of the complement system. The complement system consists of a tightly regulated network of proteins. Its activation leads to a sequential cascade of enzymatic reactions, resulting in opsonisation of the pathogens and their removal by phagocytes, as well as cell lysis. Three pathways have been described, the antibody-dependent pathway (classical pathway), the alternative pathway and the lectin activation pathway ([Ehrnthaller 2011](#), [Nesargikar 2012](#)). The complement system plays a critical role in both innate and adaptive immune responses. It is also involved in tissue regeneration, tumor growth and some human pathologies ([Sarma 2011](#)).

Complement component 5 is the initiator of the effector terminal phase of the complement system. C5 convertase cleaves C5 into C5a, a potent anaphylatoxin, and C5b, ultimately resulting in the formation of the multimeric membrane attack complex (MAC) together with the other components of the terminal pathway (C5b-C9) ([Noris 2013](#)).

Sheep anti human polyclonal antibody gives a single arc when tested by immunoelectrophoresis (IEP) against human plasma. The identity has been confirmed by double diffusion against fresh human plasma and a known anti human C5.

Storage

Store at +4°C or at -20°C if preferred.
Storage in frost-free freezers is not recommended.
This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody.

Guarantee

Guaranteed until date of expiry. Please see product label.

**Health And Safety
Information**

Material Safety Datasheet documentation #10087 available at:
<https://www.bio-rad-antibodies.com/SDS/2222-8354>
10087

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Rabbit Anti Sheep IgG (H/L) (5184-2304...) [Biotin](#)

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

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