

Datasheet: 2222-8354

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
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	0.09% Sodium Azide (NaN ₃)
Stabilisers	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	<p>UniProt: P01031 Related reagents</p> <p>Entrez Gene: 727 C5 Related reagents</p>
Synonyms	CPAMD4

Specificity	<p>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 et al. 2011, Nesargikar et al. 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 et al. 2011).</p> <p>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 et al. 2013).</p> <p>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.</p>
Storage	<p>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.</p>
Shelf Life	18 months from date of despatch.
Health And Safety Information	Material Safety Datasheet documentation #10087 available at: 10087: https://www.bio-rad-antibodies.com/uploads/MSDS/10087.pdf
Regulatory	For research purposes only

Related Products

Recommended Secondary Antibodies

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

Donkey Anti Sheep IgG (STAR88...) [DyLight®488](#), [DyLight®549](#), [DyLight®649](#), [FITC](#), [HRP](#)

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