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

<table>
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<th>Yes</th>
<th>No</th>
<th>Not Determined</th>
<th>Suggested Dilution</th>
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<tr>
<td>Immunohistology - Paraffin</td>
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<td>ELISA</td>
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<td>Immunodiffusion</td>
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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 (NaN₃)
- 0.1% E-amino-n-caproic acid (EACA)
- 0.01% Benzamidine
- 1 mM ethylenediaminetetraacetic acid (EDTA)

Immunogen
Human C5, purified from plasma.
**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 (Ehrnthon 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).

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).

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:

**Regulatory**

For research purposes only

**Recommended Products**

**Recommended Secondary Antibodies**

Rabbit Anti Sheep IgG (H/L) (5184-2304...) **Biotin**
Donkey Anti Sheep IgG (STAR88...) **DyLight®488, HRP**
From March 15, 2021, we will no longer supply printed datasheets with our products. Look out for updates on how to access your digital version at bio-rad-antibodies.com

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