

BP373**Polyclonal Antibody to Complement C5 - Ig Fraction****Alternate names:**

C3 and PZP-like alpha-2-macroglobulin domain-containing protein 4, CPAMD4, Complement component 5

Quantity:

1 ml

Background:

C5 is synthesised in the liver as a single polypeptide chain. Before secretion the molecule is glycosylated and secreted into plasma as a 190 kDa glycoprotein consisting of a disulphide linked alpha-chain (111 kDa) and beta-chain (75 kDa). C5 precursor is first processed by the removal of 4 basic residues, forming two chains, beta and alpha, linked by a disulfide bond. C5 convertase activates C5 by cleaving the alpha chain, releasing C5a anaphylatoxin and generating C5b (beta chain + alpha' chain).

Uniprot ID:

[P01031](#)

NCBI:

[NP_001726](#)

GeneID:

[727](#)

Host / Isotype:

Sheep / IgG

Immunogen:

Human C5 purified from plasma

Format:

State: Liquid purified Ig fraction

Purification: Ion Exchange Chromatography

Buffer System: Glycine buffered saline, pH 7.4, 0.1% EACA, 0.01% Benzamidine and 1mM EDTA

Preservatives: 0.09% Sodium Azide

Applications:

Immunohistochemistry: 1/20-1/200 (as a guide).

Immunodiffusion.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Gives a single arc when tested by IEP against fresh Human plasma.

Identity has been confirmed by Double Diffusion against fresh Human plasma and a known anti-Human C5.

Species: Human.

Other species not tested.

Storage:

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.