

## Product datasheet for **BP373**

### Complement C5 (C5) Sheep Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Applications:	ID, IHC
Recommended Dilution:	<b>Immunohistochemistry:</b> 1/20-1/200 (as a guide). <b>Immunodiffusion.</b>
Reactivity:	Human
Host:	Sheep
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Human C5 purified from plasma
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.
Formulation:	Glycine buffered saline, pH 7.4, 0.1% EACA, 0.01% Benzamidine and 1mM EDTA State: Ig Fraction State: Liquid purified Ig fraction Preservative: 0.09% Sodium Azide
Purification:	Ion Exchange Chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 5
Database Link:	<a href="#">Entrez Gene 727 Human P01031</a>



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<b>Background:</b>	<p>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).</p> <p>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).</p>
<b>Synonyms:</b>	CPAMD4, Complement component 5
<b>Protein Families:</b>	Druggable Genome
<b>Protein Pathways:</b>	Complement and coagulation cascades, Prion diseases, Systemic lupus erythematosus