

Product datasheet for **SP1103F**

Complement C3 (C3) Sheep Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Frozen Sections: 1/50 - 1/100. Recommended Positive Control: Human skin.
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Immunogen:	Human C3 purified from serum
Specificity:	This antibody recognises the C3c component of complement, formed as a result of the inactivation of C3b. The reagent may be used for the detection of C3 deposits in tissues following complement activation.
Formulation:	PBS, pH 7.2 containing 0.09% Sodium Azide as preservative Label: FITC State: Liquid purified IgG fraction Label: Fluorescein Isothiocyanate Isomer 1 (FITC)-liquid
Concentration:	lot specific
Purification:	Ion exchange chromatography
Conjugation:	FITC
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. This product is photosensitive and should be protected from light.
Stability:	Shelf life: one year from despatch.
Gene Name:	complement component 3
Database Link:	Entrez Gene 718 Human P01024



[View online »](#)

Background:	The complement factor C3 consists of an alpha and a beta chain. C3 is a central factor in the complement cascade. It is central to the alternative pathway that leads to the C3 convertase C3bBb. The classical mannose binding lectin activation pathway leads to the C3 convertase C4b2a. These convertases cleave C3 resulting in C3a and C3b. Further degradation leads to the formation of the alpha chain products C3d, C3g and C3c. C3 is an acute phase protein that is produced by a wide range of tissues, including renal epithelial cells and hepatocytes.
Synonyms:	CPAMD1, Complement component 3
Protein Families:	Druggable Genome
Protein Pathways:	Complement and coagulation cascades, Systemic lupus erythematosus