

Polyclonal Antibodies

Goat Anti-Human C3, Whole Serum



Product Code : 00-ABD-MM-0C3-001

Component C3 is the most abundant complement protein in the serum. C3 is a 190 kDa protein, comprising two glycoprotein chains associated with disulphide bonds. C3 is cleaved by C3 convertase resulting in the production of a small fragment C3a, which is a strong anaphylatoxin that can also suppress the polyclonal response of B cells. The larger C3b fragment is an opsonin and forms part of the classical and alternative pathway enzymes that activate C5 and the other terminal components. Patients with C3 deficiency are characterised by arthralgias and vasculitis skin rashes (like serum sickness), whereas others develop symptoms like glomerulonephritis or systemic lupus erythematosus. Anti-Human C3 can be used to detect C3 levels in the patient samples, which is why it can be used in the diagnosis of autoimmune diseases.

Specifications:

PARAMETERS

Host

Immunogen

Grade

Physical Appearance

Titre (Reverse Single Radial Immunodiffusion)

Shelf life

Buffer details*

Total Protein (Biuret Method)

Cholesterol (CHOD

Enzymatic method)

Specificity

(Immunoelectrophoresis)

Specificity (Ouchterlony)

pH

Storage conditions

ACCEPTANCE CRITERIA

Goat

Human C3

Whole Serum

Straw to brownish yellow clear liquid without any suspended particles

≥ 7.0 mg/ml

3 years

Tris Saline with 15mM NaN₃, pH 7.4 ± 0.2

50 to 130 mg/ml

≤ 50 mg/dl

Monospecific to C3 when reacted with pooled human plasma & 2X normal human serum

Monospecific when reacted with normal human serum

7.0 to 8.0

2 to 8°C

*Buffer composition can be customised as per the customer requirements. Product can be further customised as per the specific requirements.

For research use or further manufacturing purposes only

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