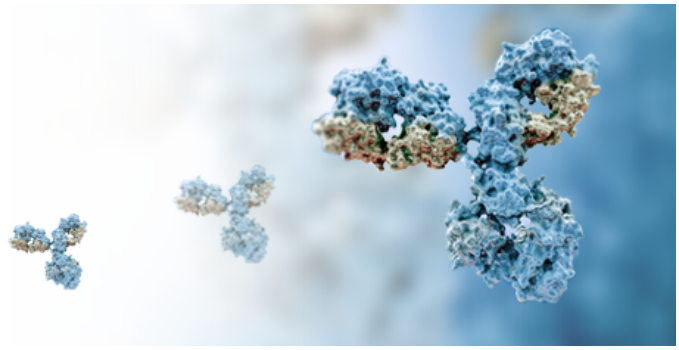

Human Complement C3 ELISA Kit-CTK-111

Cat. No.: CTK-111
This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This product is an ELISA kit for the determination of Human Complement C3 in the samples of Plasma and Serum. It is highly sensitive and available for the detection of Human Complement C3 as low as 3.7 ng/mL.

SPECIFICATIONS

Assay Type	Sandwich ELISA
Sensitivity	3.7 ng/mL (7.8-500 ng/mL)
Pack Size	96 tests
Species Reactivity	Human
Target	C3
Cross Reactivity	No significant cross-reactions have been observed between Human Complement C3 and analogues, but existing techniques may limit the detection of cross-reactions with untested analogues.
Applications	ELISA
Contents	Pre-coated 8 x 12 microwell plate Microplate sealers Standard and its diluent Substrate Biotin-antibody and its diluent HRP-conjugate and its diluent Sample diluent Wash buffer (25×) Stop solution Desiccant Instruction and certificate of analysis

SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-466-5530 Fax: 1-631-207-8356
Email: info@creative-biolabs.com

Storage The storage of components varies. Please refer to the instructions for details.

TARGET INFORMATION

Introduction Complement C3 plays a central role in the activation of the complement system. Its processing by C3 convertase is the central reaction in both classical and alternative complement pathways. After activation C3b can bind covalently, via its reactive thioester, to cell surface carbohydrates or immune aggregates. Derived from proteolytic degradation of complement C3, C3a anaphylatoxin is a mediator of local inflammatory process. It induces the contraction of smooth muscle, increases vascular permeability and causes histamine release from mast cells and basophilic leukocytes. C3-beta-c: Acts as a chemoattractant for neutrophils in chronic inflammation. Acylation stimulating protein: adipogenic hormone that stimulates triglyceride (TG) synthesis and glucose transport in adipocytes, regulating fat storage and playing a role in postprandial TG clearance. Appears to stimulate TG synthesis via activation of the PLC, MAPK and AKT signaling pathways. Ligand for C5AR2. Promotes the phosphorylation, ARRB2-mediated internalization and recycling of C5AR2.

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