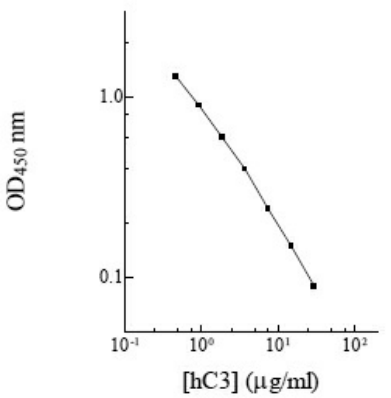
C3 (Human) ELISA Kit

Catalog # KA0466 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	C3 (Human) ELISA Kit is a competitive enzyme immunoassay for the quantitative measurement of complement C3 in human plasma and serum samples.
Suitable Sample	Plasma, Serum
Sample Volume	25 uL
Label	Peroxidase-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.117 to 7.5 ug/mL
Reactivity	Human
Regulation Status	For research use only (RUO)
Storage Instruction	Store components of the kit at 4°C or -20°C as described in the protocol.

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Applications

- Quantification

Gene Info — C3

Entrez GeneID	718
Gene Name	C3
Gene Alias	ARMD9, ASP, CPAMD1
Gene Description	complement component 3
Omim ID	120700
Gene Ontology	Hyperlink
Gene Summary	Complement component C3 plays a central role in the activation of complement system. Its activat ion is required for both classical and alternative complement activation pathways. People with C3 deficiency are susceptible to bacterial infection. [provided by RefSeq
Other Designations	acylation-stimulating protein cleavage product|complement component C3

Publication Reference

- Hepatitis C virus proteins inhibit c3 complement production.

  Mazumdar B, Kim H, Meyer K, Bose SK, Di Bisceglie AM, Ray RB, Ray R.

  Journal of Virology 2011 Dec; 86(4):2221.

  Application: Quant, Human, HCV-infected patient sera

- The effect of locally synthesised complement on acute renal allograft rejection.

  Sacks S, Zhou W.

  Journal of Molecular Medicine 2003 Jul; 81(7):404.

  Application: Quant, Human, Mouse, Serum

- Structure and biology of complement protein C3, a connecting link between innate and acquired immunity.

  Sahu A, Lambris JD.

  Immunol Rev 2001 Apr; 180:35.

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- Complement system is not activated in primary biliary cirrhosis.

  Gardinali M, Conciato L, Cafaro C, Crosignani A, Battezzati PM, Agostoni A, Podda M.

  Clinical Immunology and Immunopathology 1998 Jun; 87(3):297.

  Application: Quant, Human, Human serum

Pathway

- Complement and coagulation cascades
- Systemic lupus erythematosus

Disease

- Alzheimer disease
- Asthma
- Atherosclerosis
- Birth Weight
- Brain Ischemia
- Bronchial Hyperreactivity
- Bronchiolitis
- Calcinosis
- Cardiovascular Diseases
- Celiac Disease
- Chlamydia Infections
- Choroidal Neovascularization
- Coronary Artery Disease
- Coronary Disease
- Dermatitis
- Diabetes Complications

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- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Diseases in Twins
- Edema
- Erythema Nodosum
- Genetic Predisposition to Disease
- Geographic Atrophy
- Glioblastoma
- Glioma
- Hematologic Diseases
- Hemolytic-Uremic Syndrome
- Hypersensitivity
- Hypertension
- Infant
- Inflammation
- Inflammatory Bowel Diseases
- Leukemia
- Lupus Erythematosus
- Lymphoma
- Macular Degeneration
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Migraine Disorders
- Neoplasms

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- Occupational Diseases
- Osteoporosis
- Ovarian Neoplasms
- Pulmonary Disease
- Recurrence
- Respiratory Syncytial Virus Infections
- Retinal Drusen
- Sarcoidosis
- Stroke
- Tobacco Use Disorder
- Trachoma
- Tuberculosis
- Vision
- Wet Macular Degeneration

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