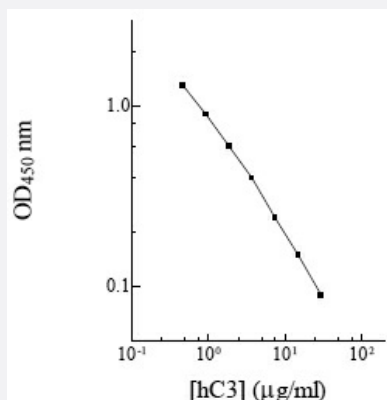


C3 (Human) ELISA Kit

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.

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 activation 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.

- [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](#)

- [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](#)

- [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](#)