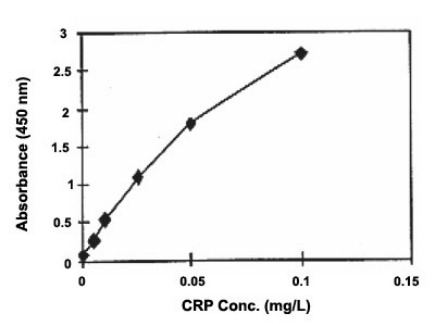
CRP (Human) ELISA Kit

Catalog # KA0238 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	CRP (Human) ELISA Kit is a sandwich enzyme immunoassay for the quantitative measurement of C-reactive protein.
Suitable Sample	Serum
Sample Volume	10 uL
Label	HRP-conjugate
Detection Method	Colorimetric
Assay Type	Quantitative
Intra-Assay	4.44%
Inter-Assay	3.28%
Spiking Recovery	100.40%
Calibration Range	0.1 to 10 ng/L
Limit of Detection	0.1 ng/L
Reactivity	Human

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Regulation Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknown s. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store the kit at 4°C.

Applications

- Quantification

Gene Info — CRP

Entrez GeneID	1401
Gene Name	CRP
Gene Alias	MGC149895, MGC88244, PTX1
Gene Description	C-reactive protein, pentraxin-related
Omim ID	123260
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000033307

Publication Reference

- Associations between hand osteoarthritis, obesity and lipid metabolism: a cross-sectional study of the Halland County Osteoarthritis (HALLOA) cohort.

  Elisabeth Brogren, Maria Andersson, Melker Westenius, Jenny Wittrup, Malin Zimmerman.

  BMC Musculoskeletal Disorders 2024 Nov; 25(1):944.

  Application: ELISA, Human, Blood

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- Impact of the Menstrual Cycle on the Cardiovascular and Ventilatory Responses During Exercise in Normoxia and Hypoxia.

  Tom Citherlet, Antoine Raberin, Giorgio Manferdelli, Nicolas Bourdillon, Grégoire P Millet.

  High altitude medicine & biology 2026 Mar; 26(1):55.

  Application: IS, Human, Macrophages, THP-1, Hematopoietic stem cells

- Baseline levels of circulating galectin-1 associated with radiographic hand but not radiographic knee osteoarthritis at a two-year follow-up.

  M L E Andersson, M Zimmerman, E Brogren, S Bergman, L Strindberg, E Fryk, P A Jansson.

  Osteoarthritis and Cartilage Open 2024 Mar; 6(2):100455.

  Application: Quant, Human, Serum

- Associations between metabolic factors and radiographic knee osteoarthritis in early disease - a cross-sectional study of individuals with knee pain.

  Maria Andersson, E Haglund, K Aili, A Bremander, S Bergman.

  BMC Musculoskeletal Disorders 2022 Oct; 23(1):938.

  Application: Quant, Human, Human blood

- Cohort profile: the Halland osteoarthritis (HALLOA) cohort-from knee pain to osteoarthritis: a longitudinal observational study in Sweden.

  Maria L E Andersson, Emma Haglund, Katarina Aili, Ann Bremander, S Bergman.

  BMJ Open 2022 Jul; 12(7):e057086.

  Application: Quant, Human, Human blood

- A high fat-high sucrose diet enriched in blue mussels protects against systemic inflammation, metabolic dysregulation and weight gain in C57BL/6 mice.

  Vaidya HB, Gangadaran S, Cheema SK.

  Food Research International 2017 Aug; 100(Pt 2):78.

  Application: Quant, Mouse, Mouse plasma

- A high fat diet enriched with sea cucumber gut powder provides cardio-protective and anti-obesity effects in C57BL/6 mice.

  Gangadaran S, Cheema SK.

  Food Research International 2017 Sep; 99(Pt 1):799.

  Application: Quant, Mouse, Mouse plasma

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- Neutrophil Gelatinase-Associated Lipocalin and its Receptors in Alzheimer's Disease (AD) Brain Regions: Differential Findings in AD with and without Depression.

  Doortje W Dekens, Petrus J W Naude, Sebastiaan Engelborghs, Yannick Vermeiren, Debby Van Dam, Richard C Oude Voshaar, Ulrich L M Eisel, Peter P De Deyn

  J Alzheimers Dis 2016 Nov; 55(2):763-776.

- Iron deficient erythropoiesis might play key role in development of anemia in cancer patients.

  Silvia Park, Chul Won Jung, Kihyun Kim, Seok Jin Kim, Won Seog Kim, Jun Ho Jang

  Oncotarget 2015 Dec; 6(40):42803-12.

- Subclinical Atherosclerosis among HIV-Infected Adults Attending HIV/AIDS Care at Two Large Ambulatory HIV Clinics in Uganda.

  Ssinabulya I, Kayima J, Longenecker C, Luwedde M, Semitala F, Kambugu A, Ameda F, Bugeza S, McComsey G, Freers J, Nakanjako D.

  PLoS One 2014 Feb; 9(2):e89537.

  Application: ELISA, Human, Serum

- Effect of acute moderate exercise on induced inflammation and arterial function in older adults.

  Ranadive SM, Kappus RM, Cook MD, Yan H, Lane AD, Woods JA, Wilund KR, Iwamoto G, Vanar V, Tandon R, Fernhall B.

  Experimental Physiology 2014 Apr; 99(4):729.

  Application: ELISA, Human, Serum

- Ultrasensitive amperometric magnetoimmunosensor for human C-reactive protein quantification in serum.

  Esteban-Fernandez de Avila B, Escamilla-Gomez V, Campuzano S, Pedrero M, Salvador JP, Marcob MP, Pingarron JM.

  Sensors and Actuators B: Chemical 2013 Nov; 188:212.

  Application: Quant, Human, Human serum

- Pentraxin-3 serum levels are associated with disease severity and mortality in patients with systemic inflammatory response syndrome.

  Simone Bastrup-Birk, Mikkel-Ole Skjoedt, Lea Munthe-Fog, Jens J Strom, Ying Jie Ma, Peter Garred

  PLoS One 2013 Sep; 8(9):e73119.

- Factors associated with asthma among under-fives in Mulago hospital, Kampala Uganda: a cross sectional study.

  Nantanda R, Ostergaard MS, Ndeezi G, Tumwine JK.

  BMC Pediatrics 2013 Sep; 13(1):141.

  Application: ELISA, Human, Serum

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- The expression levels of plasma micoRNAs in atrial fibrillation patients.

  Liu Z, Zhou C, Liu Y, Wang S, Ye P, Miao X, Xia J.

  PLoS One 2012 Sep; 7(9):e44906.

  Application: Quant, Human, plasma from atrial fibrillation patients

- Personal omics profiling reveals dynamic molecular and medical phenotypes.

  Chen R, Mias GI, Li-Pook-Than J, Jiang L, Lam HY, Chen R, Miriami E, Karczewski KJ, Hariharan M, Dewey FE, Cheng Y, Clark MJ, Im H, Habegger L, Balasubramanian S, O'Huallachain M, Dudley JT, Hillenmeyer S, Haraksingh R, Sharon D, Euskirchen G, Lacroute P, Bettinger K, Boyle AP, Kasowski M, Grubert F, Seki S, Garcia M, Whirl-Carrillo M, Gallardo M, Blasco MA, Greenberg PL, Snyder P, Klein TE, Altman RB, Butte AJ, Ashley EA, Gerstein M, Nadeau KC, Tang H, Snyder M.

  Cell 2012 Mar; 148(6):1293.

  Application: Quant, Human, Human blood

Disease

- Acute Disease
- Acute-Phase Reaction
- Adenocarcinoma
- Adenoma
- Albuminuria
- Alzheimer disease
- Angina
- Aortic Aneurysm
- Arteriosclerosis
- Arthritis
- Atherosclerosis
- Atrial Fibrillation
- Autoimmune Diseases
- Bacteremia
- Birth Weight

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- Body Weight
- Bone Neoplasms
- Brain Infarction
- Brain Ischemia
- Breast cancer
- Breast Neoplasms
- Cadaver
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Carotid Artery Diseases
- Carotid Stenosis
- Cerebral Hemorrhage
- Cerebral Infarction
- Cerebrovascular Accident
- Cerebrovascular Disorders
- Choroidal Neovascularization
- Chronic Disease
- Cognition
- Cognition Disorders
- Colon cancer
- Colorectal Neoplasms
- Community-Acquired Infections
- Connective Tissue Diseases
- Coronary Artery Disease
- Coronary Disease

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- Coronary Restenosis
- Coronary Stenosis
- Coronary Thrombosis
- Crohn Disease
- Delayed Graft Function
- Diabetes Complications
- Diabetes Mellitus
- Disease Progression
- Disease Susceptibility
- Edema
- Endometrial Neoplasms
- Escherichia coli Infections
- Esophageal Neoplasms
- Extraversion (Psychology)
- Fetal Diseases
- Genetic Predisposition to Disease
- Giant Cell Arteritis
- Glioblastoma
- Glioma
- Heart Diseases
- Hypercholesterolemia
- Hyperglycemia
- Hypertension
- Hypertrophy
- Infection
- Inflammation

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- Insulin Resistance
- Intestinal Polyps
- Intracranial Arteriosclerosis
- Ischemic Attack
- Kidney Diseases
- Kidney Failure
- Leukemia
- Leukocytosis
- Liver Cirrhosis
- Lung Neoplasms
- Lupus Erythematosus
- Lupus Nephritis
- Lymphatic Metastasis
- Macular Degeneration
- Malaria
- Meningeal Neoplasms
- Meningioma
- Metabolic Syndrome X
- Musculoskeletal Diseases
- Myocardial Infarction
- Myocardial Ischemia
- Neoplasm Invasiveness
- Neoplasms
- Neuropsychological Tests
- Neurotic Disorders

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- Obesity
- Osteoarthritis
- Osteoporosis
- Parasitemia
- Paratyphoid Fever
- Periodontitis
- Personality Tests
- Pneumococcal Infections
- Pneumonia
- Polymyalgia Rheumatica
- Postoperative Complications
- Pregnancy Complications
- Premature Birth
- Prostate cancer
- Prostatic Neoplasms
- Psychiatric Status Rating Scales
- Psychotic Disorders
- Pulmonary Disease
- Pulmonary Embolism
- Recurrence
- Skin Diseases
- Sleep Apnea
- Staphylococcal Infections
- Streptococcal Infections
- Stroke
- Thoracic Neoplasms

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- Thromboembolism
- Typhoid Fever
- Urinary Bladder Neoplasms
- Vasculitis
- Venous Thrombosis
- Weight Loss
- Werner syndrome

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