

Human CRP ELISA Kit | CRP elisa kit

Human CRP ELISA Kit

CATALOG # AAA332533	REACTIVITY Human	APPLICATIONS ELISA
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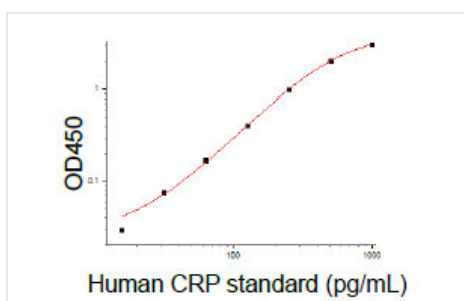
PRODUCT SYNONYMS

CRP; Human CRP ELISA Kit; Pentraxin 1; short; C reactive protein; C reactive protein pentraxin related; C-reactive protein(1-205); CRP_HUMAN; MGC88244; PTX 1; PTX1; CRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human CRP ELISA Kit has high sensitivity and excellent specificity for detection of Human CRP. No significant cross-reactivity or interference between Human CRP and analogues was observed.
Assay Type	Sandwich
Samples	Serum, Plasma, Cell culture supernatants
Detection Range	15.6 pg/mL-1,000 pg/mL
Sensitivity	8 pg/mL
Applicable Applications for CRP elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision: The CV (%)?10%.
Inter-assay Precision	Inter-assay Precision :The CV (%)?12%
Preparation and Storage	The unopened kit should be stored at 2 - 8 degree C. After opening, please store refer to protocols.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CRP elisa kit	Principle of the Assay: C-reactive protein encoded by CRP gene belongs to the pentraxin family. It is involved in several host defense related functions based on its ability to recognize foreign pathogens and damaged cells of the host and to initiate their elimination by interacting with humoral and cellular effector systems in the blood.Human CRP ELISA Kit employs a double antibody sandwich method to quantitate Human CRP in samples. An antibody specific for Human CRP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Human CRP present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for Human CRP is added to the wells. After washing, proprietary Streptavidin-HRP conjugates is added to the wells. Following a wash to remove any unbound streptavidin-enzyme reagent, adding HRP Substrate (TMB), TMB turns blue under the catalysis of HRP, and turns yellow after adding stop solution. Measure the OD value with a microplate reader at 450 nm wavelength. The Human CRP concentration is proportional to the OD450 nm value.
Product Categories/Family for CRP elisa kit	ELISA Assay Kit; Protein

NCBI AND UNIPROT INFORMATION

NCBI GI #	55770842
NCBI GeneID	1401
NCBI Accession #	NP_000558.2
NCBI GenBank Nucleotide #	NM_000567.2
UniProt Accession #	P02741; Q08AK3; Q8WW75; A8K078; D3DVD9; D3DVE0
Molecular Weight	25,039 Da
NCBI Official Full Name	C-reactive protein
NCBI Official Synonym Full Names	C-reactive protein, pentraxin-related
NCBI Official Symbol	CRP
NCBI Official Synonym Symbols	PTX1
NCBI Protein Information	C-reactive protein; pentraxin 1
UniProt Protein Name	C-reactive protein
UniProt Gene Name	CRP
UniProt Synonym Gene Names	PTX1
UniProt Entry Name	CRP_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.