

Rat CRP ELISA Kit | CRP elisa kit

Rat CRP PicoKine ELISA Kit

CATALOG #
AAA45907

REACTIVITY
Rat

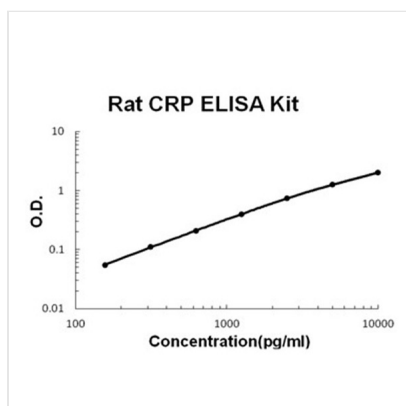
PRODUCT SYNONYMS

CRP; Rat CRP PicoKine ELISA Kit; C-reactive protein; pentraxin-related; C reactive protein pentraxin related; C-reactive protein(1-205); CRP_HUMAN; MGC149895; MGC88244; Pentraxin 1; Pentraxin 1 short; PTX 1; PTX1; CRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Natural and recombinant rat CRP
Sequence Length	230
Samples	Cell culture supernates, serum and plasma (heparin, EDTA)
Assay Type	Sandwich
Detection Range	156pg/ml-10,000pg/ml
Sensitivity	< 10pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay) Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision between assays) Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at 4 degree C for 6 months, at -20 degree C for 12 months. Avoid multiple freeze-thaw cycles (Shipped with wet ice.)

IMAGES



Standard Curve (Sample)

Rat CRP PicoKine ELISA Kit standard curve

ADDITIONAL INFORMATION

Related Product Information for CRP elisa kit	Principle of the assay: Rat CRP ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for CRP has been precoated onto 96-well plates. Standards(NSO, H2O-S230) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for CRP is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the rat CRP amount of sample captured in plate. Background: C Reactive Protein (CRP) is a major acute phase reactant synthesized primarily in the liver hepatocytes. It is composed of 5 identical, 21,500-molecular weight subunits. CRP mediates activities associated with preimmune nonspecific host resistance. CRP shows the strongest association with cardiovascular events. It is detectable on the surface of about 4% of normal peripheral blood lymphocytes. Acute phase reactant CRP is produced in the liver.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1345834
NCBI GeneID	25419
UniProt Accession #	P48199; Q5BK94
Molecular Weight	25,468 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	Aa1249; Ac1262; Ab1-341; Ab2-196; Ac1-114; Ac2-069; Ba2-693
NCBI Protein Information	C-reactive protein; C-reactive protein, petaxin related; C-reactive protein member of the pentraxin family; C-reactive protein, member of the pentraxin family
UniProt Protein Name	C-reactive protein
UniProt Gene Name	Crp
UniProt Synonym Gene Names	Ptx1
UniProt Entry Name	CRP_RAT

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.