

Mouse CRP ELISA Kit | CRP elisa kit

Mouse CRP PicoKine ELISA Kit

CATALOG #
AAA11625

REACTIVITY
Mouse

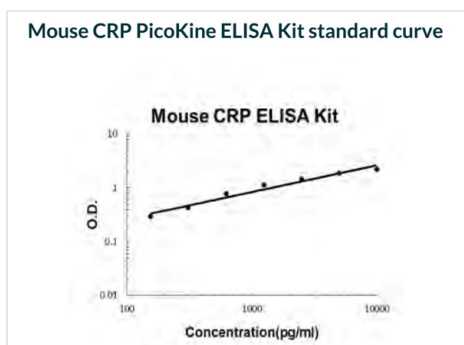
PRODUCT SYNONYMS

CRP; Mouse 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	Mouse
Specificity	Natural and recombinant Mouse Crp
Sequence Length	225
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	156 pg/ml - 10,000 pg/ml
Sensitivity	<10 pg/ml
Intra-assay Precision	Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	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)

ADDITIONAL INFORMATION

Related Product Information for CRP elisa kit	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. Principle of the Assay: The Picokine™ Mouse Crp Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid-phase immunoassay specially designed to measure Mouse Crp with a 96-well strip plate that is pre-coated with antibody specific for Crp. The detection antibody is a biotinylated antibody specific for Crp. The capture antibody is monoclonal antibody from rat and the detection antibody is polyclonal antibody from goat. The kit contains recombinant Mouse Crp with immunogen: Expression system for standard: NS0; Immunogen sequence: H20-S225. The kit is analytically validated with ready-to-use reagents. To measure Mouse Crp, add standards and samples to the wells, then add the biotinylated detection antibody. Wash the wells with PBS or TBS buffer, and add Avidin-Biotin-Peroxidase Complex (ABC-HRP). Wash away the unbound ABC-HRP with PBS or TBS buffer and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product at 450nm is linearly proportional to Mouse Crp in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Mouse Crp in the sample.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	408360035
NCBI GeneID	12944
UniProt Accession #	P14847; E9PZ20
Molecular Weight	25,360 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	AI255847
NCBI Protein Information	C-reactive protein; C-reactive protein, petaxin related
UniProt Protein Name	C-reactive protein
UniProt Gene Name	Crp
UniProt Synonym Gene Names	Ptx1
UniProt Entry Name	CRP_MOUSE

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.

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Online datasheet: <https://www.aaabiotech.com/mouse-elisa-kits/crp/11625>