

Rat Protectin ELISA Kit | CD59 elisa kit

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CATALOG #
AAA87008

REACTIVITY
Rat

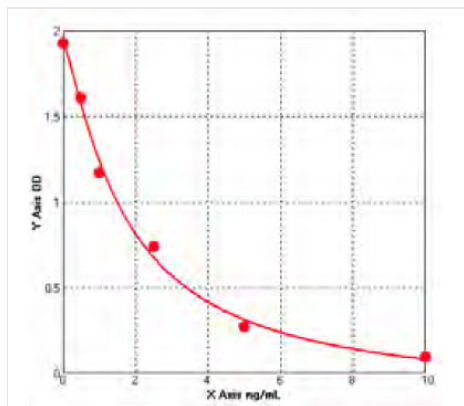
PRODUCT SYNONYMS

Protectin; Rat Protectin ELISA Kit; CD59 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of PROT. No significant cross-reactivity or interference between PROT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PROT and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD59 elisa kit	Intended Uses: This PROT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat PROT. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: PROT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PROT antibody and an PROT-HRP conjugate. The assay sample and buffer are incubated together with PROT-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the PROT concentration since PROT from samples and PROT-HRP conjugate compete for the anti-PROT antibody binding site. Since the number of sites is limited, as more sites are occupied by PROT from the sample, fewer sites are left to bind PROT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PROT concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CD59 elisa kit	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	42716299
NCBI GeneID	966
NCBI Accession #	NP_976076.1
NCBI GenBank Nucleotide #	NM_203331.2
Molecular Weight	14,177 Da
NCBI Official Full Name	CD59 glycoprotein preproprotein
NCBI Official Synonym Full Names	CD59 molecule, complement regulatory protein
NCBI Official Symbol	CD59
NCBI Official Synonym Symbols	1F5; EJ16; EJ30; EL32; G344; MIN1; MIN2; MIN3; M1RL; HRF20; MAC1F; MEM43; MIC11; MSK21; 16.3A5; HRF-20; MAC-IP; p18-20
NCBI Protein Information	CD59 glycoprotein; protectin; 1F5 antigen; MEM43 antigen; Ly-6-like protein; T cell-activating protein; human leukocyte antigen MIC11; lymphocytic antigen CD59/MEM43; 20 kDa homologous restriction factor; membrane inhibitor of reactive lysis; membrane attack complex inhibition factor; membrane attack complex (MAC) inhibition factor; surface anitgen recognized by monoclonal antibody 16.3A5; CD59 antigen p18-20 (antigen identified by monoclonal antibodies 16.3A5, EJ16, EJ30, EL32 and G344)
UniProt Protein Name	CD59 glycoprotein
UniProt Gene Name	CD59
UniProt Synonym Gene Names	MIC11; MIN1; MIN2; MIN3; MSK21; HRF-20; HRF20; MAC-IP; MAC1F; M1RL
UniProt Entry Name	CD59_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.