

Mouse CD55 ELISA Kit | CD55 elisa kit

Mouse CD55 PicoKine ELISA Kit

CATALOG #
AAA125090

REACTIVITY
Mouse

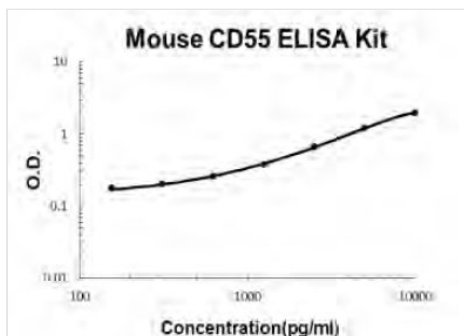
PRODUCT SYNONYMS

CD55; Mouse CD55 PicoKine ELISA Kit; Mouse CD55; CD55 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	Natural and recombinant Mouse Cd55
Sequence Length	16
Samples	Cell culture supernates, serum and plasma(heparin, edta)
Detection Range	156pg/ml-10000pg/ml
Sensitivity	<50pg/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 across assays):Three samples of known concentration were tested in separate assays to assess interassay precision.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD55 elisa kit	Principle of the Assay: The Picokine™ Mouse Cd55 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Mouse Cd55 with a 96-well strip plate that is pre-coated with antibody specific for Cd55. The detection antibody is a biotinylated antibody specific for Cd55. The capture antibody is a monoclonal antibody from rat, the detection antibody is a biotinylated detection polyclonal antibody from goat. The kit contains recombinant Mouse Cd55 with immunogen: Expression system for standard: NSO, Immunogen sequence: D35-G362. The kit is analytically validated with ready to use reagents. To measure Mouse Cd55, 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 unbounded ABC-HRP with PBS or TBS buffer and add TMB. TMB is substrate to HRP and will be catalyzed to produce a blue color product, which changes into yellow after adding acidic stop solution. The density of the yellow product is linearly proportional to Mouse Cd55 in the sample. Read the density 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 Cd55 in the sample. Background/Introduction: Complement decay-accelerating factor, also known as CD55 or DAF, is a protein that, in humans, is encoded by the CD55 gene. It is mapped to 1 E4; 1 56.89 cM. This gene encodes a glycoprotein involved in the regulation of the complement cascade. Binding of the encoded protein to complement proteins accelerates their decay, thereby disrupting the cascade and preventing damage to host cells. Antigens present on this protein constitute the Cromer blood group system (CROM). Alternative splicing results in multiple transcript variants. The predominant transcript variant encodes a membrane-bound protein, but alternatively spliced transcripts may produce soluble proteins.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	639600
NCBI GeneID	1604
NCBI Official Full Name	CD55, partial
NCBI Official Synonym Full Names	CD55 molecule (Cromer blood group)
NCBI Official Symbol	CD55
NCBI Official Synonym Symbols	CR; TC; DAF; CROM; CHAPLE
NCBI Protein Information	complement decay-accelerating factor

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://stage.aaabiotech.com/mouse-elisa-kits/cd55/125090>