

Guinea Pig C3b (Complement Fragment 3b) ELISA Kit | C3b elisa kit

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CATALOG #
AAA250858

REACTIVITY
Guinea Pig

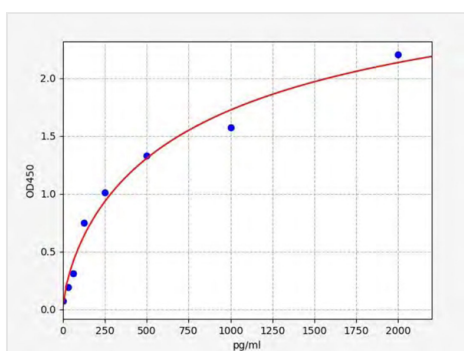
PRODUCT SYNONYMS

C3b (Complement Fragment 3b); Guinea pig C3b (Complement Fragment 3b) ELISA Kit; C3b; Complement Fragment 3b; C3b elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Specificity	Specifically recognize C3b, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	31.25-2000pg/ml
Sensitivity	18.75pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for C3b elisa kit	Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti C3b antibody was pre-coated onto the 96-well plate. The biotin conjugated anti C3b antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with C3b conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of C3b in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	290543340
NCBI GeneID	100135462
NCBI Accession #	NP_001166374.1
NCBI GenBank Nucleotide #	NM_001172903.1
UniProt Accession #	P12387
Molecular Weight	186,488 Da
NCBI Official Full Name	complement C3 preproprotein
NCBI Official Symbol	C3
NCBI Protein Information	complement C3
UniProt Protein Name	Complement C3
UniProt Gene Name	C3
UniProt Synonym Gene Names	C3bc

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/guinea-pig-pig-elisa-kits/c3b-complement-fragment-3b/250858>