Rat apolipoprotein B (including Ag (x) antigen) ELISA Kit | APOB elisa kit

Rat apolipoprotein B100, Apo-B100 ELISA Kit

CATALOG #	REACTIVITY
AAA15370	**Rat**

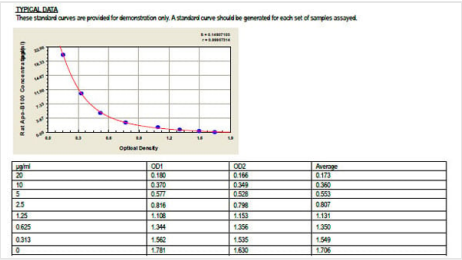
PRODUCT SYNONYMS

apolipoprotein B (including Ag (x) antigen); Rat apolipoprotein B100; Apo-B100 ELISA Kit; Rat apolipoprotein B100 (Apo-B100) ELISA Kit; FLDB; LDLCQ4; apoB-100; apoB-48; apolipoprotein B; apolipoprotein B48; Rat apolipoprotein B100 (Apo-B100); APOB elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of rat Apo-B100. No significant cross-reactivity or interference between rat Apo-B100 and analogues was observed.
Sequence Length	144
Assay Type	Competitive
Samples	Serum, plasma, tissue homogenates
Detection Range	0.313 ug/ml-20 ug/ml
Sensitivity	< 0.342 ug/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



µg/ml	OD1	OD2	Average
20	0.180	0.166	0.173
10	0.370	0.349	0.360
5	0.577	0.528	0.553
2.5	0.816	0.798	0.807
1.25	1.108	1.153	1.131
0.625	1.344	1.356	1.350
0.313	1.562	1.535	1.549
0	1.781	1.630	1.706

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for APOB elisa kit	Principle of the Assay: This assay employs the competitive inhibition enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with Apo-B100. Standards or samples are added to the appropriate microtiter plate wells with Horseradish Peroxidase (HRP) conjugated antibody preparation specific for Apo-B100. The competitive inhibition reaction is launched between with pre-coated Apo-B100 and Apo-B100 in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of Apo-B100 in the samples. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	114015
UniProt Accession #	P17165
Molecular Weight	15,664 Da
NCBI Official Full Name	Apolipoprotein B, partial
UniProt Protein Name	Apolipoprotein B
UniProt Gene Name	**APOB**
UniProt Entry Name	APOB_RABIT

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/apob-rat-elisa-kits/apolipoprotein-b-including-ag-x-antigen/15370