

Human Anti-LKM1 (Anti-Liver Kidney Microsomal type 1 IgG) ELISA Kit | Anti-LKM1 elisa kit

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CATALOG # AAA277247	REACTIVITY Human
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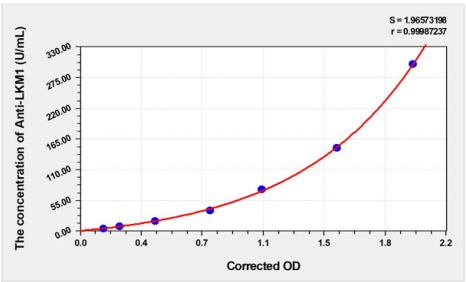
PRODUCT SYNONYMS

Anti-LKM1 (Anti-Liver Kidney Microsomal type 1 IgG); Human Anti-LKM1 (Anti-Liver Kidney Microsomal type 1 IgG) ELISA Kit; ANTI-LKM1; Anti-LKM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Assay Type	Sandwich
Samples	serum, plasma and other biological fluids
Detection Range	4.69-300U/mL
Sensitivity	1.71U/mL
Standard	300U/mL
Assay Length	3.5h
Precision	Intra-assay Precision (Precision within an assay): CV%<8% Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Inter-assay Precision (Precision between assays): CV%<10% Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Test Principle	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antigen specific to Liver Kidney Microsomal type 1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antigen specific to Liver Kidney Microsomal type 1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Anti-Liver Kidney Microsomal type 1 IgG (Anti-LKM1), biotin-conjugated antigen and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 10 nm. The concentration of Anti-Liver Kidney Microsomal type 1 IgG (Anti-LKM1) in the samples is then determined by comparing the OD of the samples to the standard curve.
Standard Curve	Matrices listed below were spiked with certain level of recombinant Anti-LKM1 and the recovery rates were calculated by comparing the measured value to the expected amount of Anti-LKM1 in samples. Matrix Recovery range Average serum (n=5) 83-98% 90% EDTA plasma (n=5) 90-105% 97% Heparin plasma (n=5) 89-103% 96%
Recovery Rate	The linearity of the kit was assayed by testing samples spiked with appropriate concentration of Anti-LKM1 and their serial dilutions. The results were demonstrated by the percentage of calculated concentration to the expected. Matrix 1: 21:41:81:16 serum (n=5) 86-93% 91-105% 87-98% 87-103% EDTA plasma (n=5) 86-92% 89-103% 89-98% 79-85% Heparin plasma (n=5) 93-99% 86-101% 87-96% 92-105%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Product Categories/Family for Anti-LKM1 elisa kit

Infection immunity

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/human-elisa-kits/anti-lkm1-anti-liver-kidney-microsomal-type-1-igg/277247>