

Human Retinoic Acid ELISA Kit

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CATALOG #
AAA15797

REACTIVITY
Human

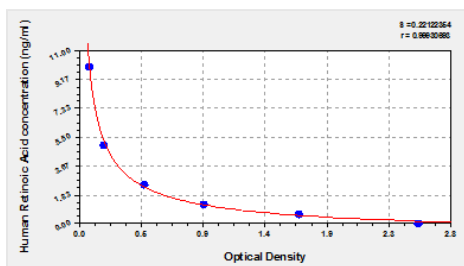
PRODUCT SYNONYMS

Retinoic Acid; Human Retinoic Acid ELISA Kit; Retinoic Acid elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human retinoic acid. No significant cross-reactivity or interference between human retinoic acid and analogues was observed.
Assay Type	Competitive
Samples	Serum, plasma
Detection Range	6.25 pg/ml-100 pg/ml
Sensitivity	< 3.12pg/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



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Retinoic Acid 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 an antibody specific to retinoic acid. Standards or samples are added to the appropriate microtiter plate wells with Horseradish Peroxidase (HRP) conjugated retinoic acid. The competitive inhibition reaction is launched between with HRP-conjugated retinoic acid and retinoic acid in samples. A substrate solution is added to the wells and the color develops in opposite to the amount of retinoic acid in the sample. The color development is stopped and the intensity of the color is measured.

References

[Association of serum retinoic acid with hepatic steatosis and liver injury in nonalcoholic fatty liver disease](#). Yan Liu, Hongen Chen, Jingjing Wang, Wenjing Zhou, Ruifang Sun, and Min Xia (2015)
[Differentiation of neuronal stem cells into motor neurons using electrospun poly-L-lactic acid/gelatin scaffold](#). Loïc Binan, Charlene Tendey, Gregory De Crescenzo, Rouwayda El Ayoubi, Abdellah Ajji, Mario Jolicoeur (2014)< br>[Circulating retinoic acid levels and the development of metabolic syndrome](#). Yan Liu, Hongen Chen, Di Mu, Jiahua Fan, Jiayi Song, Yuan Zhong, Di Li, and Min Xia (2016)

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/human-elisa-kits/retinoic-acid/15797>