

Human Anti-Insulin Antibody (INS-Ab) ELISA Kit

Summary

Catalog No.	KAB94001
Applications	Used for the quantitative determination of Human Anti-Insulin Antibody concentration in serum and plasma.
Stability and Storage	When the kit was stored at the recommended temperature for 6 months, the signal intensity decreased by less than 20%.
Detection method	Colorimetric
Sample type	Plasma, Serum
Assay type	Quantitative (Sandwich)
Sensitivity	2.13 ng/mL
Range	3.13 - 200 ng/mL
Recovery	80-120%
Shipping	2-8 °C
Note	For research use only.

Description

PRINCIPLE OF THE ASSAY This assay employs the quantitative sandwich enzyme immunoassay technique. Human Insulin has been pre-coated onto a microplate. Samples or standards are pipetted into microwells and Human Anti-Insulin Antibody will be captured by immobilized Human Insulin. After washing away any unbound substances, a biotin-labeled Human Insulin is added to the wells. After washing away any unbound substances, Streptavidin-HRP is added to the wells. Following a wash to remove any unbound enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the

Recombinant Proteins & Antibodies

amount of Human Anti-Insulin Antibody bound in the initial step. The color development is stopped and the intensity of the color is measured.

Precision

Intra-Assay Precision (Precision within an assay): <10%

Three samples of known concentration were tested sixteen times on one plate to assess intra-assay precision.

Inter-Assay Precision (Precision between assays): <15%

Three samples of known concentration were tested in twenty four separate assays to assess inter-assay precision.

Data Image
