

Belimumab ELISA Kit

Summary

Catalog No.	KDJ85301
Applications	Used for the quantitative determination of Belimumab 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%.
Sensitivity	27.13 ng/mL
Range	31.25 - 2,000 ng/mL
Note	For research use only.

Description

PRINCIPLE OF THE ASSAY This assay employs the quantitative competitive enzyme immunoassay technique. Recombinant Human BAFF has been pre-coated onto a microplate. Standards or samples are premixed with biotin-labeled antibody and then pipetted into the wells. Belimumab in the sample competitively binds to the pre-coated protein with biotin-labeled Belimumab. 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 inversely proportion to the amount of Belimumab 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): <20%

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

Inter-Assay Precision (Precision between assays): <20%

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

Data Image
