

Technical Data

Kit Size	96 wells
Plate Format	'Break apart' wells
Sample Dilution	1:100
Assay Timing	30/30/10 Min
Standards	0, 25, 50, 100 & 400 U/ml
Normal Values	< 50 U/ml
Reagents	Colour coded and ready to use
Typical CVs	4 -12%
Quality Control	A positive control is included in the kit
Microplate Photometer	Optical density read at 450 nm
Product code	GD128

High Avidity ds-DNA Antibodies

The Genesis High Avidity dsDNA IgG Antibodies kit is a rapid ELISA method for the detection of high avidity IgG antibodies to double-stranded (ds) DNA. It is intended as an aid to the diagnosis of systemic lupus erythematosus (SLE) and as a tool to monitor the course of the disease in individual patients.

Circulating antibodies to dsDNA are strongly associated with systemic rheumatic diseases, including SLE. Importantly, the avidity of these antibodies is variable and only high avidity anti-ds DNA antibodies are specific for SLE.

The Farr radioimmunoassay is regarded as the gold standard for the detection of high avidity anti-dsDNA antibodies. The Genesis high avidity DNA antibody kit is a modification of the Genesis broad spectrum ds DNA IgG ELISA which detects both high and lower affinity antibodies. The modified assay has a diagnostic specificity for SLE of 100%.



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