

Human monoclonal antibody dsDNA-mAb33

Antibody Specification

Product Number: 33300

Description:

Human monoclonal autoantibody dsDNA-mAb33. Standardization, calibration and positive control reagent for diagnostic anti-double-stranded DNA autoantibody immunoassays.

Immunological specificity:

Shows high-affinity binding to double-stranded DNA. Shows strong signals in ELISA assays with immobilized double-stranded DNA antigen; dilution curves of dsDNA-mAb33 in ELISA tests show excellent correlation to the dilution behaviour of the International WHO standard preparation for anti-dsDNA antibodies (Wo/80). Shows weak to intermediate signals in immunofluorescence analysis on *Crithidia* antigen substrates.

Origin:

Produced by human heterohybridoma cell line (constructed by fusing peripheral B lymphocytes from an SLE patient to a heterohybridoma fusion cell line).

Immunological tests/Functionality:

Standard ELISA tests with comparison to positive/negative sera panels and calibration against the International WHO standard preparation for anti-dsDNA antibodies (Wo/80)

Activity:

$> 2 \times 10^5$ IU/ml (determined by Wo/80-calibrated ELISA)

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH. Storage temperature: -70° to -80° C. Repeated freeze/thaw cycles should be avoided.

Concentration for assay use:

Concentrations for use in diagnostic have to be individually determined by user. Suitable for biotinylation and iodination.

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