

## **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 behavior 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 a 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 x 10<sup>5</sup> 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 tests have to be individually determined by user. Suitable for biotinylation and iodination.

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