

**REAADS Anti-SSB
ELISA Test Kit**

Product #: 10871
(96 well kit)

- **Recombinant SSB/La protein is solely used as the antigen providing a high degree of specificity**
- **The results are expressed as quantitative values (Unit/mL) enabling any changes of anti-SSB values to be monitored**
- **Fast test turnaround**
- **Convenient ELISA procedure**

Background

Anti-SSB antibody, one of the anti-ENA (extractable nuclear antigen) antibodies, is observed with high frequency in the sera of patients with Sjogren's syndrome (SjS). In 1975 Alspaugh and Tan et al. reported that anti-SSA antibodies and anti-SSB antibodies were highly specific for SjS. Later, it was confirmed that the anti-SSA antibodies and anti-SSB antibodies were identical with anti-Ro antibodies and anti-La antibodies respectively, which had already been reported by Reichlin et al. At present the terms anti-SSA/Ro antibodies, anti-SSB/La antibodies are generally used. Anti-SSB antibodies are frequently associated with anti-SSA/Ro antibodies, and cases in which anti-SSB/La alone is detected are rare. In recent reports, anti-SSB/La antibodies were observed in 47.5 % of SjS sicca syndrome cases but infrequently observed in other types of SjS and collagen diseases without sicca syndrome.

The REAADS anti-SSB ELISA is a highly specific and sensitive test for anti-SSB antibodies in serum.

Procedure

This product utilizes the commonly employed heterogeneous noncompetitive indirect solid-phase method of enzyme-linked immunosorbent assays (ELISA).

Human serum is reacted with antigen coated onto microtiter wells. Antibodies, if present, will react with the immobilized antigen forming stable antigen-antibody complexes. If no antibodies are present, the complexes will not form and the serum components will be washed away. Horseradish peroxidase conjugated goat anti-human antibodies (IgG, IgA and IgM heavy chain specific) are added to bind with the complexes formed in step one. If no complexes are formed in step one, the conjugate will be washed away. Peroxidase substrate solution (TMB) is added to produce a color change when reacted with the complexes formed in steps one and two. After terminating the enzyme reaction by adding stop solution, the color intensity of the reaction is measured photometrically. The color intensity of the reaction depends on the amount of antibody, if present, in the human serum.

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For In Vitro Diagnostic Use

**Each REAADS Anti-SSB ELISA
Test Kit contains the following reagents:**

96 antigen coated microwells in frame	12 x 8 strips
Calibrator-1 (0 U/mL) (ready to use)	1 x 1.5 ml
Calibrator-2 (100 U/mL) (ready to use)	1 x 1.5 ml
Positive Control (ready to use)	1 x 0.2 ml
Negative Control (ready to use)	1 x 0.2 ml
Conjugated Reagent (ready to use) (HRP conjugated goat anti-human immunoglobulins)	1 x 20 ml
Assay Diluent	2 x 50 ml
Wash Concentrate (10x)	1 x 100 ml
Substrate (ready to use)	1 x 20 ml
Stop Solution (ready to use)	1 x 20 ml



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