

## Recombinant Human La/SS-B Protein

### Antigen Specification

**Product Number: 12800**

**Description:**

Human La/SS-B protein. Recombinant antigen for solid (ELISA) and fluid phase diagnostic assays.

**Immunological function:**

Binds IgG-type human auto-antibodies.

**Origin:**

Recombinant. Expressed by recombinant baculovirus (*Autographa californica* multiple nuclear polyhedrosis virus; AcMNPV) infection of *Spodoptera frugiperda* Sf9 insect cells.

**Expression construct:**

Full-length cDNA coding for the human La protein fused to a hexa-histidine purification tag.

**Biochemical tests:**

SDS-PAGE (purity > 90 %); Western-Blot with i: SLE patient sera (secondary Sjögren's syndrome); ii: monoclonal anti-hexa-His-tag antibody.

**Calculated molecular weight:**

47,660 Dalton

**Calculated isoelectric point:**

pH 6.9

**Immunological tests/Functionality:**

Standard ELISA test (checker-board analysis of positive/negative sera panels, including Center for Disease Control (Atlanta, GA, USA) international reference sera)

**Recommended buffer/storage and handling conditions:**

Recommendations for storage buffer: ionic strength around 120-150 mM salt, neutral to slightly alkaline pH and 20 % glycerol as cryoprotective agent. Storage temperature: -70° to -80° C. Repeated freeze/thaw cycles should be avoided.

**Coating concentration:**

0.6-1.1 µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

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