

La/SS-B

Antigen Specification

Product Number: 12800

Description:

Human La/SS-B.
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 (checkerboard
analysis of positive/negative sera
panels, including CDC (Atlanta, GA,
USA) international reference sera).

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

Recommendations for storage buffer:
ionic strength between 120 and 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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