

Ro/SS-A (52 kDa)

Antigen Specification

Product Number: 12700

Description:

Human Ro/SS-A (52 kDa).
Recombinant antigen for in vitro
research and manufacturing use only.

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
Ro/SS-A (52 kDa) fused to a hexa-
histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 90%); Western
blot with i: Ro/SS-A (52 kDa)
autoantibody-positive sample; ii:
monoclonal anti-His-tag antibody.

Calculated molecular weight:

55 kDa

Calculated isoelectric point:

pH 6.15

Immunological tests/Functionality:

Standard ELISA test (checkerboard
analysis of positive/negative samples,
including international reference sera
obtained from the CDC, Atlanta, GA,
USA); line assay and immunodot
analyses with positive/negative
samples.

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

Recommendations for storage buffer:
neutral to slightly alkaline pH; due to
purification workup under denaturing
conditions presence of up to 0.02%
SDS (or similar detergents) may be
required for maintaining solubility.
Storage conditions: -70°C or below.
Repeated freeze/thaw cycles should
be avoided.

Coating concentration:

0.3-0.65 µg/mL (depending on the type
of ELISA plate and coating buffer).
Suitable for labeling of functional
groups.

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