

SRP54

Antigen Specification

Product Number: 18400

Description:

Human SRP54.
Recombinant antigen for research use
or manufacturing 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
SRP54 protein fused to a hexa-
histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80%); Western
blot with i: anti-SRP54 autoantibody-
positive sample; ii: monoclonal anti-
His-tag antibody.

Calculated molecular weight:

57 kDa

Calculated isoelectric point:

pH 8.9

Immunological tests/Functionality:

Standard ELISA test (checkerboard
analysis of positive/negative samples);
immunodot analyses with positive/
negative samples.

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

Recommendations for storage buffer:
neutral to slightly alkaline pH. Storage
conditions: -70°C or below. Repeated
freeze/thaw cycles should be avoided.

Coating concentration:

0.5-0.9 µg/mL (depending on the type
of ELISA plate and coating buffer).
Suitable for labeling of functional
groups.

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