

Sp100

Antigen Specification

Product Number: 18900

Description:

Human Sp100.
Recombinant antigen for research use
or manufacturing only.

observed mobility at 100 kDa; in
DIARECT's gel systems it migrates
with an apparent molecular weight of
79 kDa).

Immunological function:

Binds IgG-type human auto-antibodies.

Calculated isoelectric point:

pH 5.0

Origin:

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

Immunological tests/Functionality:

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

Expression construct:

Full-length cDNA coding for the human
Sp100 protein fused to a hexa-histidine
purification tag.

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

Recommendations for storage buffer:
neutral to slightly alkaline pH and 20%
glycerol as cryoprotective agent.
Storage conditions: -70°C or below.
Repeated freeze/thaw cycles should
be avoided.

Biochemical tests:

SDS-PAGE (purity > 80%); Western
blot with i: anti-Sp100 autoantibody-
positive sample; ii: monoclonal anti-
His-tag antibody.

Coating concentration:

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

Calculated molecular weight:

55 kDa
(Sp100 displays a gel system
dependent aberrant electrophoretic
mobility. Its name is based on an

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