

Recombinant Human Sp100

Antigen Specification

Product Number: 18900

Description:

Human Sp100.
Recombinant antigen for solid (ELISA)
and fluid phase diagnostic assays.

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 (checker-board
analysis of positive/negative sera
panels), immuno-dot test

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:
ionic strength between 150 - 200 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.

Biochemical tests:

SDS-PAGE (purity > 80 %); Western-
Blot with i: PBC sera; ii: monoclonal
anti-hexa-His-tag antibody.

Coating concentration:

0.5-0.9 μ g/ml (depending on the type
of ELISA plate and coating buffer).
Suitable for biotinylation and iodination.

Calculated molecular weight:

54,662 Dalton
(Sp100 displays a gel-system
dependent aberrant electrophoretic
mobility. Its name is based on an

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