

Sp100

Antigen Specification

Product Number: 18900

Description:

Human Sp100.
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 Sp100 protein fused to a hexa-histidine purification tag.

Biochemical tests:

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

Calculated molecular weight:

55 kDa
(Sp100 displays a gel system dependent aberrant electrophoretic mobility. Its name is based on an observed mobility at 100 kDa; in DIARECT's gel systems it migrates with an apparent molecular weight of 79 kDa).

Calculated isoelectric point:

pH 5.0

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 and 20% glycerol as cryoprotective agent. 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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