

## Centromere Protein A (CENP-A)

### Antigen Specification

**Product Number: 16900**

**Description:**

Human centromere protein A (CENP-A).  
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 centromere protein A fused to a hexahistidine purification tag.

**Biochemical tests:**

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

**Calculated molecular weight:**

17 kDa

**Calculated isoelectric point:**

pH 11.7

**Immunological tests/Functionality:**

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

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

Recommendations for storage buffer: neutral to slightly alkaline pH and 6 M urea.  
Storage conditions: -70°C or below.  
Repeated freeze/thaw cycles should be avoided.

**Coating concentration:**

0.15-0.4 µg/mL (depending on the type of ELISA plate and coating buffer).  
Suitable for labeling of functional groups.

Copyright 2005 - 2019 DIARECT AG