

Centromere Protein A (CENP-A)

Antigen Specification

Product Number: 16900

Description:

Human centromere protein A (CENP-A). Recombinant antigen for solid (ELISA) and fluid phase diagnostic assays.

Calculated molecular weight:

17,015 Dalton

Calculated isoelectric point:

pH 11.7

Immunological function:

Binds IgG-type human auto-antibodies.

Immunological tests/Functionality:

Standard ELISA test (checkerboard analysis of positive/negative sera panels); immunodot test with positive/negative sera panels.

Origin:

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

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: ion strength ~150 mM, neutral to slightly alkaline pH and 6 M urea. Storage temperature: -70° to -80° C. Repeated freeze/thaw cycles should be avoided.

Expression construct:

Full-length cDNA coding for the human centromere protein A fused to a hexahistidine purification tag.

Coating concentration:

0.15-0.4 µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

Biochemical tests:

SDS-PAGE; Western blot with i: Scleroderma patient sera; ii: monoclonal anti-hexa-His-tag antibody.

Copyright 2005 – 2010 DIARECT AG