

Centromere Protein B (CENP-B)

Antigen Specification

Product Number: 12500

Description:

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

Calculated molecular weight:

65,940 Dalton

Calculated isoelectric point:

pH 4.4

Immunological function:

Binds IgG-type human auto-antibodies.

Immunological tests/Functionality:

Standard ELISA test (checkerboard analysis of positive/negative sera panels, including CDC international reference sera).

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: ionic strength around 150 mM, neutral to slightly alkaline pH and 20 % glycerol as cryoprotective agent. Storage temperature: -70° to -80° C. Repeated freeze/thaw cycles should be avoided.

Expression construct:

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

Coating concentration:

0.15-0.375 μ g/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

Biochemical tests:

SDS-PAGE (purity > 90 %); Western blot with i: Scleroderma patient sera; ii: monoclonal anti-hexa-His-tag antibody.

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