

U-snRNP B/B'

Antigen Specification

Product Number: 13300

Description:

Human U-snRNP B/B' (depending on local nomenclature this antigen is also called Sm B/B').

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

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 B' isoform of the human U-snRNP B/B' fused to a hexa-histidine purification tag.

Biochemical tests:

SDS-PAGE (purity > 80 %); Western blot with i: SLE sera (Systemic Lupus Erythematosus); ii: monoclonal anti-hexa-His-tag antibody.

Calculated molecular weight:

25,433 Dalton

Calculated isoelectric point:

pH 11.4

Immunological tests/Functionality:

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

Recommended buffer/storage and handling conditions:

Recommendations for storage buffer: neutral to slightly alkaline pH; due to purification workup under denaturing conditions presence of up to 0.02 % SDS (or similar detergents) may be required for maintaining solubility. Storage temperature: -70° to -80° C. Repeated freeze/thaw cycles should be avoided.

Coating concentration:

0.2–0.4 µg/ml (depending on the type of ELISA plate and coating buffer). Suitable for biotinylation and iodination.

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