

## 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 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 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: anti-U-snRNP B/B' autoantibody-positive sample; ii: monoclonal anti-His-tag antibody.

**Calculated molecular weight:**

25 kDa

**Calculated isoelectric point:**

pH 11.4

**Immunological tests/Functionality:**

Standard ELISA test (checkerboard analysis of positive/negative samples, including international reference sera obtained from the CDC, Atlanta, GA, USA); immunodot analyses with positive/negative samples.

**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 conditions: -70°C or below. 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 labeling of functional groups.

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