

## Ro/SS-A (52 kDa) biotinylated

### Antigen Specification

**Product Number: 20500**

**Description:**

Human Ro/SS-A (52 kDa).  
Biotinylated 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 Ro/SS-A (52 kDa) fused to a hexahistidine purification tag.

**Biochemical tests:**

Electrophoresis (purity > 80%).

**Calculated molecular weight:**

55 kDa (for protein component)

**Calculated isoelectric point:**

pH 6.15

**Immunological tests/Functionality:**

Functional Streptavidin-based ELISA test (analysis of 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.

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