

## ***Ro/SS-A (60 kDa; recombinant)***

### **Antigen Specification**

**Product Number: 17400**

**Description:**

Human Ro/SS-A protein (60 kDa).  
Recombinant antigen for solid (ELISA)  
and fluid phase diagnostic assays.

**Immunological function:**

Binds IgG-type human auto-antibodies.

**Origin:**

Recombinant. Expressed in *E. coli*  
bacterial cells.

**Expression construct:**

Full-length cDNA coding for the human  
Ro/SS-A (60 kDa) fused to a hexa-  
histidine purification tag.

**Biochemical tests:**

SDS-PAGE (purity > 90 %); Western  
blot with i: SLE sera (secondary  
Sjögren's syndrome); ii: monoclonal  
anti-hexa-His-tag antibody.

**Calculated molecular weight:**

61,696 Dalton

**Calculated isoelectric point:**

pH 8.3-8.6 (depending on prediction  
program).

**Immunological tests/Functionality:**

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

**Recommended buffer/storage and  
handling conditions:**

Recommendations for storage buffer:  
neutral to slightly alkaline pH. Storage  
temperature:  $-70^{\circ}$  to  $-80^{\circ}$  C. Repeated  
freeze/thaw cycles should be avoided.

**Coating concentration:**

0.2-0.5  $\mu\text{g/ml}$  (depending on the type  
of ELISA plate and coating buffer).  
Suitable for biotinylation and iodination.

Copyright 2006 – 2010 DIARECT AG