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Datasheet for ABIN2452132

## anti-Streptolysin O antibody (full length)

### 3 Images

#### Overview

Quantity:	100 µL
Target:	Streptolysin O (SLO)
Binding Specificity:	full length
Reactivity:	Streptococcus
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Streptolysin O antibody is un-conjugated
Application:	ELISA, Western Blotting (WB), Immunoprecipitation (IP), Neutralization (Neut)

#### Product Details

Immunogen:	His6-tagged full-size recombinant SLO of <i>S. dysgalactiae</i> subsp. <i>equismilis</i> H46A (group C hemolytic Streptococci) expressed and highly purified from <i>E. coli</i>
Characteristics:	Antiserum Most of the anti-Streptolysin O polyclonal antibodies (ASLO) sold in the current market were obtained by immunizing with SLO purified from the culture supernatant of hemolytic Streptococci. But the SLO preparations were contaminated with other secreted proteins such as NADase. This product is highly specific to SLO because of the purity of immunogen
Purification:	Rabbit serum

#### Target Details

Target:	Streptolysin O (SLO)
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## Target Details

Alternative Name: Streptolysin O ([SLO Products](#))

Background: Streptolysin O (SLO) is a membrane-damaging extracellular toxin produced by hemolytic streptococci. In the hemolytic streptococci infection, the antibodies to various proteins secreted from the bacteria such as toxins increase. For the diagnostic confirmation of SLO production by the infection, the measurement of the antibody, ASLO (Anti-Streptolysin O), is most widely used.

## Application Details

Application Notes: 1) Western blotting: 2,000~10,000 dilution  
2) Neutralization of hemolysis by Streptolysin O (SLO)  
3) Immunoprecipitation  
4) ELISA

Restrictions: For Research Use only

## Handling

Format: Liquid

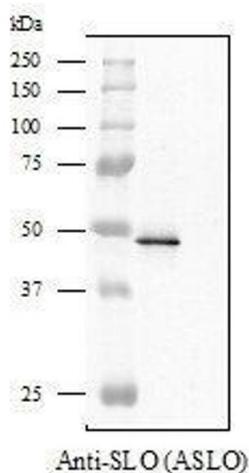
Buffer: 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

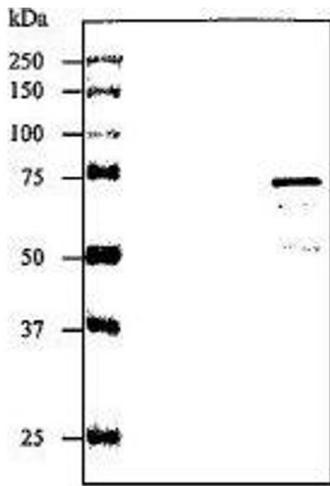
Storage: -20 °C

## Images



### Western Blotting

Image 1.



Western Blotting

Image 2.

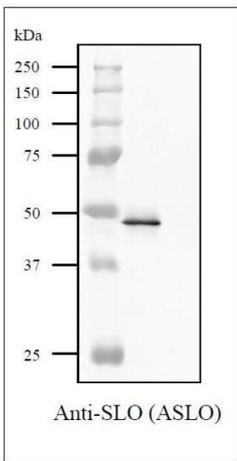


Fig.2. Western blot analysis of concentrated culture supernatant of GAS strain Sa with the anti-SLO antibody. Culture supernatant was approximately 1,000~2,000 fold concentrated from culture medium by ammonium fractionation and heat-precipitation.

Lane 1: Concentrated culture of GSA strain Sa

Lane 2: Concentrated medium only

The SLO of GSA strains is degraded by an exoprotease called streptococcal pyrogenic exotoxin B and both the concentration and size of SLO in culture medium is decreased from native one.

Western Blotting

Image 3.