

Datasheet for ABIN457775

**Sheep anti-Guinea Pig IgA (Fc Region) Antibody**[Go to Product page](#)

## Overview

Quantity:	1 mL
Target:	IgA
Binding Specificity:	Fc Region
Reactivity:	Guinea Pig
Host:	Sheep
Clonality:	Polyclonal
Application:	Immunoprecipitation (IP)

## Product Details

Immunogen:	Highly purified normal IgA isolated from pooled guinea pig serum. Freund's complete adjuvant is used in the first step of the immunization procedure.
Specificity:	Precipitating polyclonal Sheep antiSerum to Guinea Pig IgA, Fc specific.
Cross-Reactivity (Details):	The antiSerum does not cross-react with any other component of the Guinea Pig immunoglobulin system. Inter-species cross-reactivity is a normal feature of antibodies to immunoglobulins, since Ig of different species frequently share antigenic determinants. Crossreactivity of this antiSerum has not been tested in detail.
Characteristics:	The reactivity of the antiserum is restricted to the Fc part of the IgA molecule. In immunoelectrophoresis and radial immunodiffusion, using various antiserum concentrations against normal guinea pig serum a single precipitin line is obtained which shows a reaction of identity with the precipitin line obtained with purified IgA. No precipitation reaction is obtained with purified IgG, IgM, and IgG/Fab fragments. In precipitating techniques as immunoelectrophoresis and radial immunodiffusion to identify the presence of IgA in guinea

## Product Details

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pig serum or other body fluids or to determine its concentration. To prepare an immunoadsorbent for the purification of guinea pig IgA from serum or plasma. This antiserum is not intended for use in non-precipitating antibodybinding or other highly sensitive assays. This does not exclude such use if proper controls are included.

Purification: Delipidated, heat inactivated, stable whole serum

Sterility: Heat-inactivated

## Target Details

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Target: IgA

Abstract: [IgA Products](#)

Target Type: Antibody

## Application Details

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Application Notes: In immunoelectrophoresis use 2 µL serum or equivalent against 120 µL antiserum. In double radial immunodiffusion (Ouchterlony) use a rosette arrangement with 10 µL antiserum in 3 mm diameter center well and 2 µL serum samples (neat and serially diluted in 2 mm diameter peripheral wells).

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitute the lyophilized antiserum by adding 1 mL sterile distilled water. Delipidated, heat inactivated, lyophilized, stable whole serum. No preservative added. Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal sheep serum. No foreign proteins added. Reconstitute the lyophilized antiserum by adding 1 mL sterile distilled water.

Buffer: Delipidated, heat inactivated, lyophilized, stable whole serum. No preservative added. Total protein and IgG concentrations in the antiserum are comparable to those of pooled normal sheep serum. No foreign proteins added.

Preservative: Without preservative

Storage: RT, 4 °C, -20 °C

## Handling

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Storage Comment: The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. Dilutions may be prepared by adding phosphate buffered saline (PBS, pH 7.2). Repeated thawing and freezing should be avoided. If a slight precipitation occurs upon storage, this should be removed by centrifugation. It will not affect the performance of the antiserum. Diluted antiserum should be stored at +4°C, not refrozen, and preferably used the same day.