

## Datasheet for ABIN457592 **anti-Albumin antibody**



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### Overview

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|--------------|--------------------------------------------------------------------------------------------------------------|
| Quantity:    | 1 mL                                                                                                         |
| Target:      | Albumin (ALB)                                                                                                |
| Reactivity:  | Cow                                                                                                          |
| Host:        | Sheep                                                                                                        |
| Clonality:   | Polyclonal                                                                                                   |
| Conjugate:   | This Albumin antibody is un-conjugated                                                                       |
| Application: | ELISA, Immuno-electrophoresis (IEP), Immunodiffusion (ID), Radial Immunodiffusion (RID), Nephelometry (Neph) |

### Product Details

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| Immunogen:       | Highly purified albumin isolated from bovine serum. Freund's complete adjuvant is used in the first step of the immunization procedure.                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Isotype:         | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity:     | Inter-species cross-reactivity is a normal feature of antibodies to serum proteins, since homologous proteins of different species frequently share antigenic determinants. The degree of cross-reactivity is also dependent on the concentrations of the reactants and the sensitivity of the assay arrangement. This antiserum has been tested for cross-reactivity in radial immunodiffusion with the following results: cat - chicken - dog - duck - goat - guinea pig - hamster - horse - human - monkey - mouse - pigeon - rabbit - rat + swine ± |
| Characteristics: | Precipitating polyclonal sheep antiserum to bovine serum albumin                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Purification:    | Adsorption: Immunoaffinity adsorbed using insolubilized antigens as required, to eliminate                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Product Details

antibodies reacting with other serum proteins. The use of insolubilized adsorption antigens prevents the presence of excess adsorbent protein or immune complexes in the antiserum.

## Target Details

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| Target:           | Albumin (ALB)                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Alternative Name: | Serum Albumin ( <a href="#">ALB Products</a> )                                                                                                                                                                                                                                                                                                                                                                                         |
| Background:       | The defined antibody specificity is directed to albumin as tested against bovine sera. In immuno-electrophoresis and double radial immunodiffusion (Ouchterlony), using various antiserum concentrations against appropriate concentrations of the immunogen, a single characteristic precipitin line is obtained which shows a reaction of identity with the precipitin lines obtained against bovine serum and the purified albumin. |
| Pathways:         | <a href="#">Lipid Metabolism</a>                                                                                                                                                                                                                                                                                                                                                                                                       |

## Application Details

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| Application Notes: | As precipitating antiserum to identify or measure bovine albumin by a variety of immunodiffusion techniques, including immunoelectrophoresis, single and double radial immunodiffusion (Mancini, Ouchterlony) and electroimmunodiffusion (Laurell). It has not been tested for use in nephelometry, ELISA or immunochemistry, but this does not exclude such use if proper controls are included. |
| Restrictions:      | For Research Use only                                                                                                                                                                                                                                                                                                                                                                             |

## Handling

|                  |                                                                                                                                                                                                                                                                 |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Format:          | Lyophilized                                                                                                                                                                                                                                                     |
| Concentration:   | Total protein and IgG concentrations in the antiserum are comparable to those in pooled sheep serum. No foreign proteins added. Antibody titre: Precipitin titre not less than 1:64 when tested against normal bovine serum in agar block immunodiffusion titra |
| Buffer:          | Delipidated, heat inactivated, lyophilized, stable whole antiserum                                                                                                                                                                                              |
| Preservative:    | Without preservative                                                                                                                                                                                                                                            |
| Storage:         | 4 °C/-20 °C                                                                                                                                                                                                                                                     |
| Storage Comment: | The lyophilized antiserum is shipped at ambient temperature and may be stored at +4°C, prolonged storage at or below -20°C. Reconstitute the lyophilized antiserum by adding 1 ml                                                                               |

sterile distilled water. 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.