

## Rat Albumin (ALB) CLIA Kit | ALB clia kit

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CATALOG #  
AAA141113

REACTIVITY  
Rat

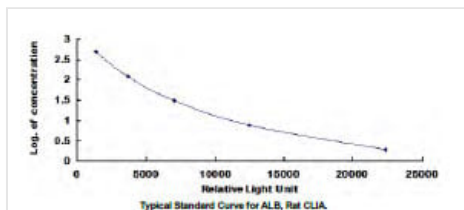
### PRODUCT SYNONYMS

Albumin (ALB); Rat Albumin (ALB) CLIA Kit; Serum albumin; ALB clia kit

### PRODUCT SPECIFICATIONS

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                        | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Specificity                                       | This assay has high sensitivity and excellent specificity for detection of Albumin (ALB). No significant cross-reactivity or interference between Albumin (ALB) and analogues was observed.                                                                                                                                                                                                                                                                                                |
| Sequence Length                                   | 609                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type                                        | Competitive Inhibition                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                                           | Serum, Plasma and other biological fluids                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Detection Range                                   | 6.17-500ug/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sensitivity                                       | 2.17ug/mL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Application                                       | Chemiluminescent immunoassay for Antigen Detection.                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Intra-assay Precision (Precision within an assay) | 3 samples with low, middle and high level Albumin (ALB) were tested 20 times on one plate, respectively.                                                                                                                                                                                                                                                                                                                                                                                   |
| Inter-assay Precision (Precision between assays)  | 3 samples with low, middle and high level Albumin (ALB) were tested on 3 different plates, 8 replicates in each plate.                                                                                                                                                                                                                                                                                                                                                                     |
| CV(%) =                                           | SD/meanX100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Intra-Assay                                       | CV<10%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Inter-Assay                                       | CV<12%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Preparation and Storage                           | The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.<br>To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end. |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for ALB clia kit | The microplate provided in this kit has been pre-coated with a monoclonal antibody specific to Albumin (ALB). A competitive inhibition reaction is launched between biotin labeled Albumin (ALB) and unlabeled Albumin (ALB) (Standards or samples) with the pre-coated antibody specific to Albumin (ALB). After incubation the unbound conjugate is washed off. Next, avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. The amount of bound HRP conjugate is reverse proportional to the concentration of Albumin (ALB) in the sample. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is reverse proportional to the Albumin (ALB) level in the sample or standard. |
| Product Categories/Family for ALB clia kit   | Tumor immunity; Infection immunity; Hematology; Hepatology; Nutrition metabolism                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

NCBI AND UNIPROT INFORMATION

|                                  |                                         |
|----------------------------------|-----------------------------------------|
| NCBI GI #                        | 178344                                  |
| NCBI GeneID                      | 213                                     |
| Molecular Weight                 | 45,160 Da                               |
| NCBI Official Full Name          | albumin                                 |
| NCBI Official Synonym Full Names | albumin                                 |
| NCBI Official Symbol             | ALB                                     |
| NCBI Official Synonym Symbols    | FDAH; ANALBA; PRO0883; PRO0903; PRO1341 |
| NCBI Protein Information         | serum albumin                           |
| UniProt Protein Name             | Serum albumin                           |
| UniProt Gene Name                | ALB                                     |
| UniProt Entry Name               | ALBU_HUMAN                              |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/rat-clia-kits/albumin-alb/141113>