

## Bovine Alpha-1-antiproteinase ELISA Kit | SERPINA1 elisa kit

Bovine Alpha-1-antiproteinase ELISA Kit

CATALOG #  
**AAA194637**

REACTIVITY  
**Bovine**

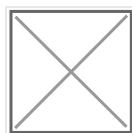
### PRODUCT SYNONYMS

Alpha-1-antiproteinase; Bovine Alpha-1-antiproteinase ELISA Kit; Alpha-1-antitrypsin; Alpha-1-proteinase inhibitor; Serpin A1; SERPINA1; PI; SERPINA1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Bovine                                                                                                                                     |
| Specificity             | This assay recognizes recombinant and natural bovine Alpha-1-antiproteinase. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 416                                                                                                                                        |
| Samples                 | Serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.                                                 |
| Detection Range         | 0.15ng/ml -10.0ng/ml.                                                                                                                      |
| Preparation and Storage | For long term storage, please store the entire kit at -20 degree C.                                                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for SERPINA1 elisa kit

Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of bovine Alpha-1-antiproteinase concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids.

Principle of the Assay||The microtiter plate provided in this kit has been pre-coated with an antibody specific to Alpha-1-antiproteinase. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Alpha-1-antiproteinase and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Alpha-1-antiproteinase, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The concentration of Alpha-1-antiproteinase in the samples is then determined by comparing the O.D. of the samples to the standard curve.

### NCBI AND UNIPROT INFORMATION

|                  |                             |
|------------------|-----------------------------|
| NCBI GI #        | <a href="#">27806941</a>    |
| NCBI GeneID      | <a href="#">280699</a>      |
| NCBI Accession # | <a href="#">NP_776307.1</a> |

|                               |                                                 |
|-------------------------------|-------------------------------------------------|
| NCBI GenBank Nucleotide #     | <a href="#">NM_173882.2</a>                     |
| UniProt Accession #           | <a href="#">P34955</a> ; <a href="#">Q3SZS3</a> |
| Molecular Weight              | 46,104 Da                                       |
| NCBI Official Full Name       | alpha-1-antiproteinase                          |
| NCBI Official Symbol          | SERPINA1                                        |
| NCBI Official Synonym Symbols | PI                                              |
| NCBI Protein Information      | alpha-1-antiproteinase                          |
| UniProt Protein Name          | Alpha-1-antiproteinase                          |
| UniProt Gene Name             | <b>SERPINA1</b>                                 |
| UniProt Synonym Gene Names    | PI                                              |
| UniProt Entry Name            | A1AT_BOVIN                                      |

**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://stage.aaabiotech.com/serpina1-bovine-ovine-elisa-kits/alpha-1-antiproteinase/194637>