

## Human Azurocidin ELISA Kit | AZU1 elisa kit

Human Azurocidin ELISA Kit

CATALOG #  
**AAA194608**

REACTIVITY  
**Human**

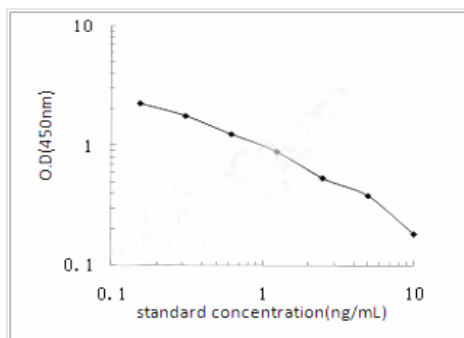
### PRODUCT SYNONYMS

Azurocidin; Human Azurocidin ELISA Kit; Cationic antimicrobial protein CAP37; Heparin-binding protein; HBP; AZU1; AZU1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                         |
| Specificity             | This assay recognizes recombinant and natural Human Azurocidin. No significant cross-reactivity or interference was observed. |
| Sequence Length         | 251                                                                                                                           |
| Assay Type              | Competitive                                                                                                                   |
| Detection Range         | 0.156-10 ng/mL                                                                                                                |
| Sensitivity             | 0.041 ng/mL                                                                                                                   |
| Intra-Assay CV          | <=4.9%                                                                                                                        |
| Inter-Assay CV          | <=8.2%                                                                                                                        |
| Recovery                | 87%                                                                                                                           |
| 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 AZU1 elisa kit | <p>Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of human Azurocidin concentrations in serum, plasma, tissue homogenates, cell culture supernates, and other biological fluids.</p> <p>Principle of the Assay  The ELISA is based on the competitive binding enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Azurocidin, During the reaction, Azurocidin in the sample or standard competes with a fixed amount of biotin-labeled Azurocidin for sites on a pre-coated Monoclonal antibody specific to Azurocidin. Excess conjugate and unbound sample or standard are washed from the plate. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. 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 Azurocidin in the samples is then determined by comparing the O.D. of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| NCBI GI #                        | 11342670                                    |
| NCBI GeneID                      | 566                                         |
| NCBI Accession #                 | NP_001691.1                                 |
| NCBI GenBank Nucleotide #        | NM_001700.4                                 |
| UniProt Accession #              | P20160; P80014; Q52LG4; Q9UCM1; Q9UCT5      |
| Molecular Weight                 | 26,886 Da                                   |
| NCBI Official Full Name          | azurocidin preproprotein                    |
| NCBI Official Synonym Full Names | azurocidin 1                                |
| NCBI Official Symbol             | AZU1                                        |
| NCBI Official Synonym Symbols    | AZU; HBP; NAZC; hHBP; AZAMP; CAP37; HUMAZUR |
| NCBI Protein Information         | azurocidin                                  |
| UniProt Protein Name             | Azurocidin                                  |
| UniProt Gene Name                | AZU1                                        |
| UniProt Synonym Gene Names       | hHBP                                        |
| UniProt Entry Name               | CAP7_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.