

## Human Hemoglobin subunit alpha ELISA Kit | HBA1 elisa kit

Human Hemoglobin subunit alpha ELISA Kit

CATALOG #  
**AAA195704**

REACTIVITY  
**Human**

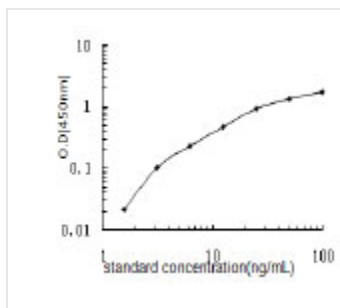
### PRODUCT SYNONYMS

Hemoglobin subunit alpha; Human Hemoglobin subunit alpha ELISA Kit; Alpha-globin; Hemoglobin alpha chain; HBA1; HBA1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                 |
| Specificity             | Recombinant and natural Human Hemoglobin subunit alpha                                |
| Sequence Length         | 142                                                                                   |
| Samples                 | Serum, plasma, tissue homogenates, cell culture supernates or other biological fluids |
| Detection Range         | 1.56 ng/mL - 100 ng/mL                                                                |
| Sensitivity             | < 0.78 ng/mL                                                                          |
| Intra-assay Precision   | Intra-Assay CV: <=4.6%                                                                |
| Inter-assay Precision   | Inter-Assay CV: <=8.9%                                                                |
| 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 HBA1 elisa kit

**Intended Uses:** This immunoassay kit allows for the in vitro quantitative determination of target antigen concentrations in serum, plasma, tissue homogenates, cell culture supernates or other biological fluids.

**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to target antigen. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific for target antigen and then 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 target antigen, 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 target antigen in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                |
|----------------------------------|----------------------------------------------------------------|
| NCBI GI #                        | 4504345                                                        |
| NCBI GeneID                      | 3040                                                           |
| NCBI Accession #                 | NP_000508.1                                                    |
| NCBI GenBank Nucleotide #        | NM_000517.4                                                    |
| UniProt Accession #              | P69905; P01922; Q1HDT5; Q3MIF5; Q53F97; Q96KF1; Q9NYR7; Q9UCM0 |
| Molecular Weight                 | 15,258 Da                                                      |
| NCBI Official Full Name          | hemoglobin subunit alpha                                       |
| NCBI Official Synonym Full Names | hemoglobin subunit alpha 2                                     |
| NCBI Official Symbol             | HBA2                                                           |
| NCBI Official Synonym Symbols    | HBH; HBA-T2                                                    |
| NCBI Protein Information         | hemoglobin subunit alpha                                       |
| UniProt Protein Name             | Hemoglobin subunit alpha                                       |
| UniProt Gene Name                | <b>HBA1</b>                                                    |
| UniProt Entry Name               | HBA_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/hba1-human-elisa-kits/hemoglobin-subunit-alpha/195704>