

## Human fragile histidine triad gene ELISA Kit | FHIT elisa kit

Human fragile histidine triad, FHIT ELISA Kit

CATALOG #  
**AAA79720**

REACTIVITY  
**Human**

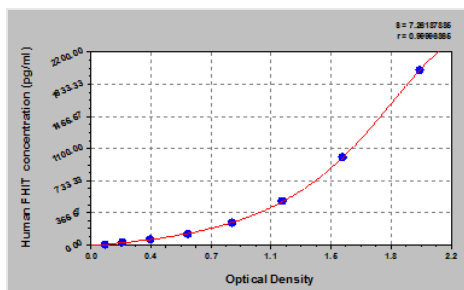
### PRODUCT SYNONYMS

fragile histidine triad gene; Human fragile histidine triad; FHIT ELISA Kit; Human fragile histidine triad (FHIT) ELISA Kit; AP3Aase; FRA3B; AP3A hydrolase; bis (5 - adenosyl) -triphosphatase; diadenosine 5; 5 -P1; P3-triphosphate hydrolase; dinucleosidetriphosphatase; tumor suppressor protein; FHIT elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Human                                                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of human FHIT. No significant cross-reactivity or interference between human FHIT and analogues was observed.                                                                                                                                                                     |
| Sequence Length         | 147                                                                                                                                                                                                                                                                                                                                                       |
| Samples                 | Serum, plasma, tissue homogenates, Cell lysates                                                                                                                                                                                                                                                                                                           |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                  |
| Detection Range         | 31.2 pg/ml -2000 pg/ml.                                                                                                                                                                                                                                                                                                                                   |
| Sensitivity             | The minimum detectable dose of human FHIT is typically less than 7.8 pg/ml. The sensitivity of this assay, or Lower Limit of Detection (LLD) was defined as the lowest protein concentration that could be differentiated from zero. It was determined the mean O.D value of 20 replicates of the zero standard added by their three standard deviations. |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.                                                                                                                                                                                                          |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.                                                                                                                                                                                                                   |
| Preparation and Storage | Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.                                                                                                                                                                                                                         |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for FHIT elisa kit | Principle of the assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for FHIT has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any FHIT present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for FHIT is added to the wells. After washing, avidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of FHIT bound in the initial step. The color development is stopped and the intensity of the color is measured. |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 261278358                                                                                                                                                                                |
| NCBI GeneID                      | 2272                                                                                                                                                                                     |
| NCBI Accession #                 | NP_001159715.1                                                                                                                                                                           |
| NCBI GenBank Nucleotide #        | NM_001166243.1                                                                                                                                                                           |
| UniProt Accession #              | P49789; Q45QG9; Q6IU12; A2IAS9; A2IAT0; A2IAT6; A8K1A9                                                                                                                                   |
| Molecular Weight                 | 16,858 Da                                                                                                                                                                                |
| NCBI Official Full Name          | bis(5'-adenosyl)-triphosphatase                                                                                                                                                          |
| NCBI Official Synonym Full Names | fragile histidine triad                                                                                                                                                                  |
| NCBI Official Symbol             | FHIT                                                                                                                                                                                     |
| NCBI Official Synonym Symbols    | FRA3B; AP3Aase                                                                                                                                                                           |
| NCBI Protein Information         | bis(5'-adenosyl)-triphosphatase; bis(5'-adenosyl)-triphosphatase; AP3A hydrolase; tumor suppressor protein; dinucleosidetriphosphatase; diadenosine 5',5'''-P1,P3-triphosphate hydrolase |
| UniProt Protein Name             | Bis(5'-adenosyl)-triphosphatase                                                                                                                                                          |
| UniProt Gene Name                | FHIT                                                                                                                                                                                     |
| UniProt Synonym Gene Names       | AP3Aase                                                                                                                                                                                  |
| UniProt Entry Name               | FHIT_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/fhit-human-elisa-kits/fragile-histidine-triad-gene/79720>