

## Mouse SETDB1 (Histone-lysine N-methyltransferase SETDB1) ELISA Kit | SETDB1 elisa kit

Human SETDB1 (Histone-lysine N-methyltransferase SETDB1) ELISA Kit

|                               |                            |
|-------------------------------|----------------------------|
| CATALOG #<br><b>AAA250596</b> | REACTIVITY<br><b>Mouse</b> |
|-------------------------------|----------------------------|

### PRODUCT SYNONYMS

SETDB1 (Histone-lysine N-methyltransferase SETDB1); Human SETDB1 (Histone-lysine N-methyltransferase SETDB1) ELISA Kit; Histone-lysine N-methyltransferase SETDB1; ERG-associated protein with SET domain (ESET); Histone H3-K9 methyltransferase 4 (H3-K9-HMTase 4); Lysine N-methyltransferase 1E; SET domain bifurcated 1; SETDB1 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                         |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of SETDB1. No significant cross-reactivity or interference between SETDB1 and analogues was observed. |
| Assay Type              | Sandwich                                                                                                                                                                      |
| Samples                 | Serum, plasma, tissue homogenates and other biological fluids                                                                                                                 |
| Detection Range         | 31.25-2000pg/ml                                                                                                                                                               |
| Sensitivity             | 18.75pg/ml                                                                                                                                                                    |
| Intra-assay Precision   | CV<8%                                                                                                                                                                         |
| Inter-assay Precision   | CV<10%                                                                                                                                                                        |
| Preparation and Storage | Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C                  |

### ADDITIONAL INFORMATION

|                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for SETDB1 elisa kit | Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Capture antibody was pre-coated onto 96- well plates. And the biotin conjugated antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and washed with wash buffer. HRP -Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the target amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of target can be calculated. |
|--------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### NCBI AND UNIPROT INFORMATION

|                                  |                                                        |
|----------------------------------|--------------------------------------------------------|
| NCBI GI #                        | 25091210                                               |
| NCBI GeneID                      | 9869                                                   |
| UniProt Accession #              | Q15047; Q5SZD8; Q5SZD9; Q5SZE0; Q5SZE7; Q96GM9; A6NEW2 |
| Molecular Weight                 | 1291                                                   |
| NCBI Official Full Name          | Histone-lysine N-methyltransferase SETDB1              |
| NCBI Official Synonym Full Names | SET domain, bifurcated 1                               |

|                                      |                                                                                                                                                                                                                                                                 |
|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NCBI Official Symbol</b>          | SETDB1                                                                                                                                                                                                                                                          |
| <b>NCBI Official Synonym Symbols</b> | ESET; KG1T; KMT1E; TDRD21; H3-K9-HMTase4                                                                                                                                                                                                                        |
| <b>NCBI Protein Information</b>      | histone-lysine N-methyltransferase SETDB1; H3-K9-HMTase 4; tudor domain containing 21; lysine N-methyltransferase 1E; histone H3-K9 methyltransferase 4; ERG-associated protein with SET domain; ERG-associated protein with a SET domain, ESET; histone-lysine |
| <b>UniProt Protein Name</b>          | Histone-lysine N-methyltransferase SETDB1                                                                                                                                                                                                                       |
| <b>UniProt Gene Name</b>             | <b>SETDB1</b>                                                                                                                                                                                                                                                   |
| <b>UniProt Synonym Gene Names</b>    | KIAA0067; KMT1E; ESET; H3-K9-HMTase 4                                                                                                                                                                                                                           |
| <b>UniProt Entry Name</b>            | SETB1_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://www.aaabiotech.com/mouse-elisa-kits/setdb1-histone-lysine-n-methyltransferase-setdb1/250596>