

## 3-hydroxybutyrate dehydrogenase type 2 ELISA Kit | BDH2 elisa kit

Rat 3-hydroxybutyrate dehydrogenase type 2 (BDH2) ELISA Kit

|                              |                          |
|------------------------------|--------------------------|
| CATALOG #<br><b>AAA55790</b> | REACTIVITY<br><b>Rat</b> |
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### PRODUCT SYNONYMS

3-hydroxybutyrate dehydrogenase type 2; Rat 3-hydroxybutyrate dehydrogenase type 2 (BDH2) ELISA Kit; 3-Hydroxybutyrate Dehydrogenase 2 (BDH2); BDH2 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat BDH2. No significant cross-reactivity or interference between Rat BDH2 and analogues was observed.                     |
| Sequence Length         | 245                                                                                                                                                                                                   |
| Samples                 | Serum, plasma and other biological fluids                                                                                                                                                             |
| Assay Type              | Quantitative Sandwich                                                                                                                                                                                 |
| Detection Range         | 62.5 pg/mL - 4000 pg/mL                                                                                                                                                                               |
| Sensitivity             | 31.25 pg/mL                                                                                                                                                                                           |
| Intra-assay Precision   | Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%                      |
| Inter-assay Precision   | Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12% |
| Preparation and Storage | Store at 2-8 degree C.                                                                                                                                                                                |

### ADDITIONAL INFORMATION

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| Related Product Information for BDH2 elisa kit | <p>Intended Uses: For the quantitative detection of Rat 3-hydroxybutyrate dehydrogenase type 2 (BDH2) concentration in serum, plasma and other biological fluids.</p> <p>Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate BDH2 in Rat serum, plasma. An antibody specific for BDH2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any BDH2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for BDH2 is added to the wells. After washing, Streptavidin 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 BDH2 bound in the initial step. The color development is stopped and the intensity of the color is measured.</p> |
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### NCBI AND UNIPROT INFORMATION

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|---------------------------|----------------|
| NCBI GI #                 | 157816997      |
| NCBI GeneID               | 295458         |
| NCBI Accession #          | NP_001099943.1 |
| NCBI GenBank Nucleotide # | NM_001106473.1 |

|                                  |                                        |
|----------------------------------|----------------------------------------|
| UniProt Accession #              | <a href="#">D4A1J4</a>                 |
| Molecular Weight                 | 26,651 Da                              |
| NCBI Official Full Name          | 3-hydroxybutyrate dehydrogenase type 2 |
| NCBI Official Synonym Full Names | 3-hydroxybutyrate dehydrogenase 2      |
| NCBI Official Symbol             | Bdh2                                   |
| NCBI Official Synonym Symbols    | Dhrs6                                  |
| NCBI Protein Information         | 3-hydroxybutyrate dehydrogenase type 2 |
| UniProt Protein Name             | 3-hydroxybutyrate dehydrogenase type 2 |
| UniProt Gene Name                | <b>Bdh2</b>                            |
| UniProt Synonym Gene Names       | Dhrs6                                  |

**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://www.aaabiotech.com/bdh2-rat-elisa-kits/3-hydroxybutyrate-dehydrogenase-type-2/55790>