

# Mouse Voltage Dependent Anion Channel Protein 1 (VDAC1) ELISA Kit | VDAC1 elisa kit

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CATALOG #  
**AAA68351**

REACTIVITY  
**Mouse**

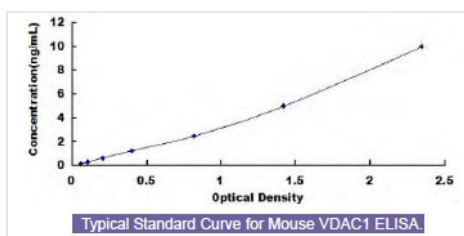
## PRODUCT SYNONYMS

Voltage Dependent Anion Channel Protein 1 (VDAC1); Mouse Voltage Dependent Anion Channel Protein 1 (VDAC1) ELISA Kit; VDAC1 elisa kit

## PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                                           |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Mouse                                                                                                                                                                                                     |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of VDAC1. No significant cross-reactivity or interference between VDAC1 and analogues was observed.                               |
| Samples               | Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.                                                                                                     |
| Assay Type            | Sandwich                                                                                                                                                                                                  |
| Detection Range       | 0.156-10ng/mL                                                                                                                                                                                             |
| Sensitivity           | 0.067ng/mL                                                                                                                                                                                                |
| Intra-assay Precision | Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level VDAC1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%                                   |
| Inter-assay Precision | Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level VDAC1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12% |

## IMAGES



Standard Curve (Sample)

## ADDITIONAL INFORMATION

### Related Product Information for VDAC1 elisa kit

**Intended Uses:** This kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of VDAC1 in mouse serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

**Principle of the Assay:** The microtiter plate provided in this kit has been pre-coated with an antibody specific to VDAC1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to VDAC1. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain VDAC1, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of VDAC1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

**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://stage.aaabiotech.com/mouse-elisa-kits/voltage-dependent-anion-channel-protein-1-vdac1/68351>