

## Human Parvalbumin (PVALB) ELISA Kit | PVALB elisa kit

Human Parvalbumin ELISA Kit (PVALB)

CATALOG #  
**AAA281560**

REACTIVITY  
**Human**

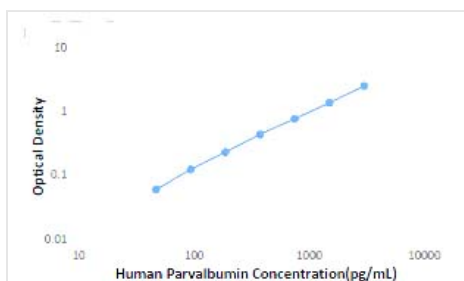
### PRODUCT SYNONYMS

Parvalbumin (PVALB); Human Parvalbumin ELISA Kit (PVALB); PVALB elisa kit

### PRODUCT SPECIFICATIONS

|                       |                                                                                                                                                                                         |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity            | Human                                                                                                                                                                                   |
| Specificity           | This assay has high sensitivity and excellent specificity for detection of Parvalbumin. No significant cross-reactivity or interference between Parvalbumin and analogues was observed. |
| Samples               | Tissue homogenates, cell lysates, cell culture supernates and other biological fluids                                                                                                   |
| Assay Type            | Quantitative Sandwich                                                                                                                                                                   |
| Sensitivity           | < 17.2pg/mL                                                                                                                                                                             |
| Intra-assay Precision | Three samples of known concentration were tested 20 times on one plate to evaluate the Intra-plate precision.                                                                           |
| Inter-assay Precision | Three samples of known concentration were tested 20 times separate assays to evaluate the Inter-plate precision. Assay were using two lots of components.                               |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for PVALB elisa kit

**Principle of the Assay:** This assay employs the quantitative sandwich enzyme immunoassay technique. A monoclonal antibody specific for Parvalbumin has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any Parvalbumin present is bound by the immobilized antibody. Following incubation unbound samples are removed during a wash step, and then a detection antibody specific for Parvalbumin is added to the wells and binds to the combination of capture antibody Parvalbumin in sample. Following a wash to remove any unbound combination, and enzyme conjugate is added to the wells. Following incubation and wash steps, a substrate is added. A colored product TMB is formed in proportion to the amount of Parvalbumin present in the sample. The reaction is terminated by addition of acid and absorbance is measured. A standard curve is prepared from seven Parvalbumin standard dilutions and Parvalbumin sample concentration determined.

**Background/Introduction:** The kit is a competitive inhibition enzyme immunoassay technique for the in vitro quantitative measurement of human Parvalbumin concentrations in tissue homogenates, cell lysates, cell culture supernates and other biological fluids.

**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/human-elisa-kits/parvalbumin-pvalb/281560>