

## Porcine Optineurin ELISA Kit | OPTN elisa kit

Porcine Optineurin ELISA Kit

CATALOG #  
**AAA95841**

REACTIVITY  
**Porcine**

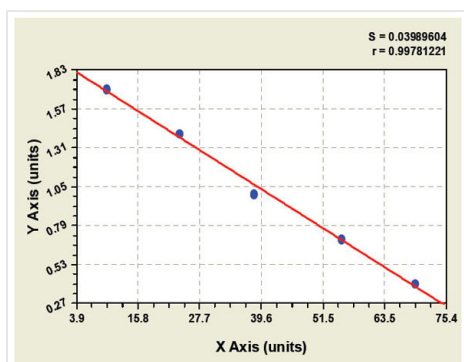
### PRODUCT SYNONYMS

Optineurin; Porcine Optineurin ELISA Kit; OPTN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Porcine                                                                                                                                                                                 |
| Samples                 | Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate                                                                                                              |
| Assay Type              | Competitive                                                                                                                                                                             |
| Sensitivity             | 0.1 ng/mL.                                                                                                                                                                              |
| Intended Uses           | This OPTN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine OPTN. This ELISA kit for research use only, not for therapeutic applications |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                     |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for OPTN elisa kit

**Principle of the Assay:** OPTN ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-OPTN antibody and an OPTN-HRP conjugate. The assay sample and buffer are incubated together with OPTN-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the OPTN concentration since OPTN from samples and OPTN-HRP conjugate compete for the anti-OPTN antibody binding site. Since the number of sites is limited, as more sites are occupied by OPTN from the sample, fewer sites are left to bind OPTN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OPTN concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 56549111                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| NCBI GeneID                      | 10133                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| NCBI Accession #                 | NP_001008214.1                                                                                                                                                                                                                                                                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001008213.1                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Molecular Weight                 | 59,559 Da                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| NCBI Official Full Name          | optineurin                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NCBI Official Synonym Full Names | optineurin                                                                                                                                                                                                                                                                                                                                                                                                                                |
| NCBI Official Symbol             | OPTN                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| NCBI Official Synonym Symbols    | NRP; FIP2; HIP7; HYPL; ALS12; GLC1E; TFIIIA-INTP                                                                                                                                                                                                                                                                                                                                                                                          |
| NCBI Protein Information         | optineurin; FIP-2; HIP-7; nemo-related protein; huntingtin yeast partner L; E3-14.7K-interacting protein; Huntingtin interacting protein L; huntingtin-interacting protein 7; huntingtin-interacting protein L; optic neuropathy-inducing protein; transcription factor IIIA-interacting protein; transcription factor IIIA-interacting protein; tumor necrosis factor alpha-inducible cellular protein containing leucine zipper domains |
| UniProt Protein Name             | Optineurin                                                                                                                                                                                                                                                                                                                                                                                                                                |
| UniProt Gene Name                | <b>OPTN</b>                                                                                                                                                                                                                                                                                                                                                                                                                               |
| UniProt Synonym Gene Names       | FIP2; GLC1E; HIP7; HYPL; NRP; HIP-7; TFIIIA-IntP                                                                                                                                                                                                                                                                                                                                                                                          |
| UniProt Entry Name               | OPTN_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.

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Online datasheet: <https://stage.aaabiotech.com/optn-porcine-elisa-kits/optineurin/95841>