

## Canine Occludin ELISA Kit | OCLN elisa kit

Canine Occludin ELISA Kit

CATALOG #  
**AAA93372**

REACTIVITY  
**Canine**

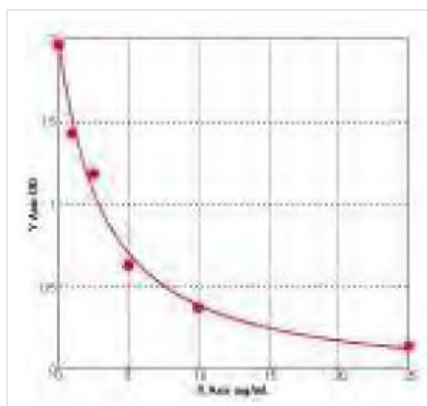
### PRODUCT SYNONYMS

Occludin; Canine Occludin ELISA Kit; OCLN elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Canine                                                                                                                                                                                                                                                                                                                                                                                   |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of OCLN. No significant cross-reactivity or interference between OCLN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between OCLN and all the analogues, therefore, cross reaction may still exist in some cases. |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                 |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Sensitivity             | 0.1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                                                                                                                                                                                                                                                                                                                                      |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for OCLN elisa kit | <p>Principle of the Assay: OCLN ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-OCLN antibody and an OCLN-HRP conjugate. The assay sample and buffer are incubated together with OCLN-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 OCLN concentration since OCLN from samples and OCLN-HRP conjugate compete for the anti-OCLN antibody binding site. Since the number of sites is limited, as more sites are occupied by OCLN from the sample, fewer sites are left to bind OCLN-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The OCLN concentration in each sample is interpolated from this standard curve.</p> <p>Intended Uses: This OCLN ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine OCLN. This ELISA kit for research use only, not for therapeutic or test applications!</p> |
| Product Categories/Family for OCLN elisa kit   | Signal Transduction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| NCBI GI #                        | 1322282                                                                          |
| NCBI GeneID                      | 100506658                                                                        |
| Molecular Weight                 | 8,175 Da                                                                         |
| NCBI Official Full Name          | occludin                                                                         |
| NCBI Official Synonym Full Names | occludin                                                                         |
| NCBI Official Symbol             | OCLN                                                                             |
| NCBI Official Synonym Symbols    | BLCPMG; PPP1R115                                                                 |
| NCBI Protein Information         | occludin; tight junction protein occludin; phosphatase 1, regulatory subunit 115 |
| UniProt Protein Name             | Occludin                                                                         |
| UniProt Gene Name                | OCLN                                                                             |
| UniProt Entry Name               | OCLN_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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