

# Product Datasheet

## Human Claudin-3 ELISA Kit (Colorimetric) NBP2-75328

Unit Size: 1 Kit

Storage of components varies. See protocol for specific instructions.

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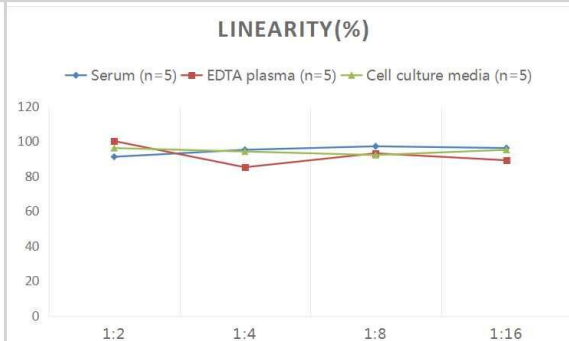


**NBP2-75328****Human Claudin-3 ELISA Kit (Colorimetric)**

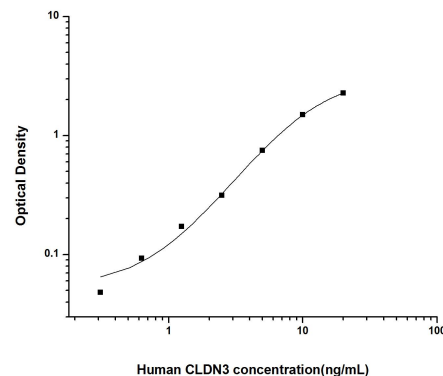
| <b>Product Information</b>         |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Unit Size</b>                   | 1 Kit                                                                                                                                                                                                                                                                                                            |
| <b>Concentration</b>               | Concentration is not relevant for this product. Please see the protocols for proper use of this product.                                                                                                                                                                                                         |
| <b>Storage</b>                     | Storage of components varies. See protocol for specific instructions.                                                                                                                                                                                                                                            |
| <b>Product Description</b>         |                                                                                                                                                                                                                                                                                                                  |
| <b>Gene ID</b>                     | 1365                                                                                                                                                                                                                                                                                                             |
| <b>Gene Symbol</b>                 | CLDN3                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>                     | Human                                                                                                                                                                                                                                                                                                            |
| <b>Specificity/Sensitivity</b>     | This kit recognizes Human CLDN3 in samples. No significant cross-reactivity or interference between Human CLDN3 and analogues was observed.                                                                                                                                                                      |
| <b>Kit Components</b>              | Micro ELISA Plate (Dismountable), Reference Standard, Concentrated Biotinylated Detection Ab (100x), Concentrated HRP Conjugate (100x), Sample Diluent, Biotinylated Detection Ab Diluent, HRP Conjugate Diluent, Concentrated Wash Buffer (25x), Substrate Reagent, Stop Solution, Plate Sealer, Product Manual |
| <b>Standard Curve Range</b>        | 0.31 - 20 ng/mL                                                                                                                                                                                                                                                                                                  |
| <b>Sensitivity</b>                 | 0.19 ng/mL                                                                                                                                                                                                                                                                                                       |
| <b>Inter Assay</b>                 | CV% < 5.41%                                                                                                                                                                                                                                                                                                      |
| <b>Intra Assay</b>                 | CV% < 5.09%                                                                                                                                                                                                                                                                                                      |
| <b>Assay Type</b>                  | Sandwich-ELISA                                                                                                                                                                                                                                                                                                   |
| <b>Spiking Recovery</b>            | 85-101%                                                                                                                                                                                                                                                                                                          |
| <b>Suitable Sample Type</b>        | Serum, plasma and other biological fluids                                                                                                                                                                                                                                                                        |
| <b>Sample Volume</b>               | 100 uL                                                                                                                                                                                                                                                                                                           |
| <b>Product Application Details</b> |                                                                                                                                                                                                                                                                                                                  |
| <b>Applications</b>                | ELISA                                                                                                                                                                                                                                                                                                            |
| <b>Recommended Dilutions</b>       | ELISA                                                                                                                                                                                                                                                                                                            |

## Images

ELISA: Human Claudin-3 ELISA Kit (Colorimetric) [NBP2-75328] - Samples were spiked with high concentrations of Human Claudin-3 and diluted with Reference Standard & Sample Diluent to produce samples with values within the range of the assay.



ELISA: Human Claudin-3 ELISA Kit (Colorimetric) [NBP2-75328] - Standard Curve Reference



## Publications

Arango-Gonzalez A, Lara-Guzman O, Escobar J et al. Putative intestinal permeability markers do not correlate with cardiometabolic health and gut microbiota in humans, except for peptides recognized by a widely used zonulin ELISA kit Nutrition, Metabolism and Cardiovascular Diseases 2022-10-01 [PMID: 36462977] (ELISA)

Sahinovic A, Irwin C, Doohan PT et al. Effects of Cannabidiol on Exercise Physiology and Bioenergetics: A Randomised Controlled Pilot Trial Sports medicine - open 2022-03-02 [PMID: 35235092] (ELISA)



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### **Products Related to NBP2-75328**

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|                    |                                                  |
|--------------------|--------------------------------------------------|
| H00001365-P01-10ug | Recombinant Human Claudin-3 GST (N-Term) Protein |
| 236-EG-200         | EGF [Unconjugated]                               |
| NBP3-18555-100ul   | Claudin-3 Antibody (CL13130)                     |
| 210-TA-005         | TNF-alpha [Unconjugated]                         |

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. ELISA Kits are guaranteed for 6 months from date of receipt.

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