

Porcine Dual Oxidase 2 (DUOX2) ELISA Kit-Sandwich

Cat. No.: EK12F651

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine Dual Oxidase 2 (DUOX2) ELISA Kit-Sandwich is designed for the quantitative determination of Porcine Dual Oxidase 2 (DUOX2) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

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| Assay Type | ELISA-Sandwich |
| Specificity | The assay kit is specific for Porcine DUOX2. |
| Target Species | Swine |
| Species Reactivity | Swine |
| Reproducibility | Intra-Assay: CV < 10%; Inter-Assay: CV < 10% |
| Assay Time | Around 270 min |
| Sample Requirement | Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids. |

Target Information

Dual Oxidase 2 is encoded by the *DUOX2* gene in pigs. DUOX2 is the main ROS-producing enzyme in the intestine. It is regulated by cues from the commensal microbiota and functions in pathogen defense. Dual oxidase 2 flavoprotein is highly expressed in the thyroid gland where it plays a critical role in thyroid hormone synthesis by providing H₂O₂ to thyroperoxidase. Disruptions in DUOX2 function may impact metabolic health and contribute to diseases.

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| Target/Biomarker | Porcine DUOX2 |
| Target Synonym | Dual oxidase 2; NADH/NADPH thyroid oxidase p138-tox; DUOX2; 1.11.1.- |
| Gene ID | 397060 |
| UniProt ID | Q8HZK2 |

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.