

Porcine Dihydropyrimidine Dehydrogenase (DPYD) ELISA Kit-Sandwich

Cat. No.: EK12F485

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

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

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Porcine DPYD.
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

Dihydropyrimidine Dehydrogenase is encoded by the *DPYD* gene in pigs. The protein encoded by this gene is a pyrimidine catabolic enzyme and the initial and rate-limiting factor in the pathway of uracil and thymidine catabolism. Mutations in this gene cause dihydropyrimidine dehydrogenase deficiency, a pyrimidine metabolism disorder associated with thymine uraciluria and an increased risk of toxicity in cancer patients receiving 5-fluorouracil chemotherapy. It is a complex enzyme that reduces the 5,6-vinyl bond of pyrimidines, uracil, and thymine. It is a central mitigating factor in the treatment of a variety of cancers.

Target/Biomarker	Porcine DPYD
Target Synonym	Dihydropyrimidine dehydrogenase [NADP+]; DHPDHase; DPD; Dihydrothymine dehydrogenase; Dihydrouracil dehydrogenase; DPYD; 1.3.1.2
Gene ID	397109
UniProt ID	Q28943

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.