

## Bovine Prostaglandin-H2 D-Isomerase (PTGDS) ELISA Kit-Sandwich

**Cat. No.:** EK12F12

**Product Type:** Animal Immunoassay Kits

**Size:** 48T;96T

### Product Overview

BioVenic Bovine Prostaglandin-H2 D-Isomerase (PTGDS) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Prostaglandin-H2 D-Isomerase (PTGDS) 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 Bovine PTGDS.
Target Species	Bovine
Species Reactivity	Bovine
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

PTGDS is a glutathione-independent prostaglandin D synthase. It catalyzes the conversion of prostaglandin H2 (PGH2) to prostaglandin D2 (PGD2). It serves as both a neuromodulator and a trophic factor in the central nervous system. Bovine Prostaglandin-H2 D-Isomerase is encoded by the *PTGDS* gene in cattle. It is a member of the lipocalin superfamily and plays dual roles in prostaglandins metabolism and lipid transport.

Target/Biomarker	Bovine PTGDS
Target Synonym	prostaglandin D2 synthase; prostaglandin-H2 D-isomerase; PGD2 synthase; PGDS; PGDS2; glutathione-independent PGD synthase; glutathione-independent PGD synthetase; lipocalin-type prostaglandin-D synthase; prostaglandin D2 synthase 21kDa (brain)
Gene ID	<a href="#">286858</a>
UniProt ID	<a href="#">Q02853</a>

## Shipping and Storage

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

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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.