

Bovine 3-Hydroxyanthranilate 3,4-Dioxygenase (HAAO) ELISA Kit-Sandwich

Cat. No.: EK12F251

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine 3-Hydroxyanthranilate 3,4-Dioxygenase (HAAO) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine 3-Hydroxyanthranilate 3,4-Dioxygenase (HAAO) 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 HAAO.
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

3-Hydroxyanthranilate 3,4-dioxygenase is an enzyme involved in the kynurenine pathway, which plays a critical role in tryptophan metabolism. It is a non-heme iron-dependent enzyme. By breaking down 3-Ohaa, it contributes to the formation of quinolinic acid (QUIN), another metabolite in the pathway. Bovine 3-Hydroxyanthranilate 3,4-Dioxygenase is encoded by the *HAAO* gene in cattle. It is the enzyme that catalyzes the conversion of 3-hydroxyanthranilate to quinolinic acid. The catalytic mechanism is most likely conserved across species.

Target/Biomarker	Bovine HAAO
Target Synonym	3-hydroxyanthranilate 3,4-dioxygenase; 3-HAO; 3-hydroxyanthranilate oxygenase; 3-hydroxyanthranilic acid dioxygenase; HAD
Gene ID	510602
UniProt ID	Q0VCA8

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.