

Porcine Choline O-Acetyltransferase (CHAT) ELISA Kit-Sandwich

Cat. No.: EK12F435

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine Choline O-acetyltransferase (CHAT) ELISA Kit-Sandwich is designed for the quantitative determination of Porcine Choline O-acetyltransferase (CHAT) 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 CHAT.
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

Choline acetyltransferase (ChAT) is a transferase enzyme responsible for the synthesis of the neurotransmitter acetylcholine (ACh). ChAT catalyzes the transfer of an acetyl group from the coenzyme acetyl-CoA to choline, yielding acetylcholine (ACh). ACh is a crucial neurotransmitter involved in neuromuscular transmission, autonomic nervous system function, and cognitive processes. Choline O-acetyltransferase is encoded by the *CHAT* gene in pigs. It appears to exist in multiple forms.

Target/Biomarker	Porcine CHAT
Target Synonym	Choline O-acetyltransferase; CHOACTase; ChAT; Choline acetylase; CHAT; 2.3.1.6
Gene ID	396896
UniProt ID	P13222

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.