

Porcine Alpha-2A Adrenergic Receptor (ADRA2A) ELISA Kit-Sandwich

Cat. No.: EK12F544

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine Alpha-2A Adrenergic Receptor (ADRA2A) ELISA Kit-Sandwich is designed for the quantitative determination of Porcine Alpha-2A Adrenergic Receptor (ADRA2A) 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 ADRA2A.
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

The Alpha-2A adrenergic receptor is a G protein-coupled receptor (GPCR) associated with the G_i heterotrimeric G-protein. It consists of three highly homologous subtypes: $\alpha 2A$, $\alpha 2B$, and $\alpha 2C$. These receptors play a critical role in regulating neurotransmitter release from sympathetic nerves and from adrenergic neurons in the central nervous system. Alpha-2A Adrenergic Receptor is encoded by the *ADRA2A* gene in pigs. *ADRA2A* can regulate the norepinephrine release and cause sympathetic activation.

Target/Biomarker	Porcine ADRA2A
Target Synonym	Alpha-2A adrenergic receptor; Alpha-2A adrenoreceptor; Alpha-2A adrenoceptor; Alpha-2AAR; ADRA2A; A2AR
Gene ID	399501
UniProt ID	P18871

Shipping and Storage

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

Reference

Zhang, X.; Sun, Y. The Predictive Role of ADRA2A rs1800544 and HTR3B rs3758987 Polymorphisms in Motion Sickness Susceptibility. *International journal of environmental research and public health*. 2021, 18.

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.