

Bovine Excitatory Amino Acid Transporter 1 (SLC1A3) ELISA Kit-Sandwich

Cat. No.: EK12F84

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Excitatory Amino Acid Transporter 1 (SLC1A3) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Excitatory Amino Acid Transporter 1 (SLC1A3) 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 SLC1A3.
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

Bovine Excitatory Amino Acid Transporter 1 is encoded by the *SLC1A3* gene in cattle. EAAT1 is also often called the GLutamate A Spartate Transporter 1 (GLAST-1). It is predominantly expressed in the plasma membrane, allowing it to remove glutamate from the extracellular space. Research has shown that SLC1A3 maintains a constant import of acidic amino acids independently of nutritional status in adipocytes.

Target/Biomarker	Bovine SLC1A3
Target Synonym	solute carrier family 1 member 3; excitatory amino acid transporter 1; GLAST-1; sodium-dependent glutamate/aspartate transporter 1; solute carrier family 1 (glial high affinity glutamate transporter), member 3
Gene ID	282354
UniProt ID	P46411

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.