

Porcine Transferrin Receptor Protein 1 (TFRC) ELISA Kit-Sandwich

Cat. No.: EK12F375

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Porcine Transferrin Receptor Protein 1 (TFRC) ELISA Kit-Sandwich is designed for the quantitative determination of Porcine Transferrin Receptor Protein 1 (TFRC) 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 TFRC.
Target Species	Swine
Species Reactivity	Swine
Detection Range	1.57-100 ng/mL
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

Transferrin Receptor Protein 1 (TfR1), also known as Cluster of Differentiation 71 (CD71), is a protein encoded by the *TFRC* gene in pigs. TfR1 is required for iron import from transferrin into cells. It is found on the surface of various cell types, including erythroblasts, hepatocytes, and endothelial cells. It has a potential role in activation of immune cells against *E. coli* and intracellular iron transport.

Target/Biomarker	Porcine TFRC
Target Synonym	Transferrin receptor protein 1; TR; TfR; TfR1; Trfr; TFRC; CD71
Gene ID	397062
UniProt ID	Q8HZV3

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.