

# Mouse Zinc transporter 10 (SLC30A10) ELISA Kit

Catalog No: #EK7280



Package Size: #EK7280-1 48T #EK7280-2 96T

Orders: order@signalwayantibody.com

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## Description

Product Name	Mouse Zinc transporter 10 (SLC30A10) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (Mus musculus)
Other Names	DKFZp547M236; ZNT10; ZNT8; ZRC1; ZnT-10; solute carrier family 30 (zinc transporter); member 10 zinc transporter 8
Accession No.	Q3UVU3
Uniprot	Q3UVU3
GenID	226781;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

## Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.061 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

## Product Description

**Detection Method:**SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate SLC30A10 in samples. An antibody specific for SLC30A10 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySLC30A10 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC30A10 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of SLC30A10 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Zinc functions as a cofactor for numerous enzymes, nuclear factors, and hormones and as an intra- and intercellular signal ion. Members of the zinc transporter (ZNT)/SLC30 subfamily of the cation diffusion facilitator family, such as SLC30A10, permit cellular efflux of zinc.

By searching databases with ZNT sequences, Seve et al. (2004) identified SLC30A10, which they called ZNT10. The deduced protein has a calculated molecular mass of 52.7 kD. It has 6 transmembrane helices, a basic region between helices 4 and 5, and cytoplasmic N and C termini. EST database analysis showed evidence of SLC30A10 expression only in fetal brain and fetal liver.Seve et al. (2004) determined that the SLC30A10 gene contains 4 exons and spans 15 kb.

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Note: This product is for in vitro research use only