Horse Anion exchange protein 2 (SLC4A2) ELISA Kit

Catalog No: #EK7271

Package Size: #EK7271-1 48T #EK7271-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Horse Anion exchange protein 2 (SLC4A2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Horse (Equus caballus; Equine)
Other Names	AE2; BND3L; EPB3L1; HKB3; NBND3; anion exchanger 2 type a|anion exchanger 2 type b1|anion exchanger 2 type b2
Accession No.	Q6SJP2
Uniprot	Q6SJP2
GeneID	791243;
Storage	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. 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).

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.078 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 SLC4A2 in samples. An antibody specific for SLC4A2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anySLC4A2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SLC4A2 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 SLC4A2 bound in the initial step. The color development is stopped and the intensity of the color is measured.Product Overview:Demuth et al. (1986) isolated a cDNA clone, designated pHKB3, encoding a human erythrocyte surface protein band 3-like gene product. Peptide mapping shows substantial sequence homology between the erythrocyte band 3 protein and a band 3-like protein found in leukocytes. Palumbo et al. (1986) described the partial sequence of a 2.7-kb human cDNA clone encoding a band 3-related protein in nonerythroid cells. Comparison of the predicted amino acid sequence for this cDNA with the amino acid sequences of mouse and human erythroid band 3 proteins confirmed that the human clone is related to but distinct from erythroid band 3. Palumbo et al. (1986) symbolized the gene as HKB3, in part after the name of the human cell line studied.in the rat, AE2 is particularly abundant in the stomach and portions of the gastrointestinal tract.

Note: This product is for in vitro research use only