Porcine Band 3 anion transport protein (SLC4A1) ELISA Kit | SLC4A1 elisa kit

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CATALOG #	REACTIVITY
AAA244828	**Porcine**

PRODUCT SYNONYMS

Band 3 anion transport protein (SLC4A1); Porcine Band 3 anion transport protein (SLC4A1) ELISA Kit; SLC4A1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC4A1. No significant cross-reactivity or interference between SLC4A1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SLC4A1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC4A1 elisa kit	Principle of the Assay: SLC4A1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SLC4A1 antibody and an SLC4A1-HRP conjugate. The assay sample and buffer are incubated together with SLC4A1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SLC4A1 concentration since SLC4A1 from samples and SLC4A1-HRP conjugate compete for the anti-SLC4A1 antibody binding site. Since the number of sites is limited, as more sites are occupied by SLC4A1 from the sample, fewer sites are left to bind SLC4A1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SLC4A1 concentration in each sample is interpolated from this standard curve. Intended Uses: This SLC4A1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine SLC4A1. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for SLC4A1 elisa kit	Neurobiology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507021
NCBI GeneID	6521
NCBI Accession #	NP_000333.1
NCBI GenBank Nucleotide #	NM_000342.3
Molecular Weight	101,792 Da
NCBI Official Full Name	band 3 anion transport protein
NCBI Official Synonym Full Names	solute carrier family 4 (anion exchanger), member 1 (Diego blood group)
NCBI Official Symbol	SLC4A1
NCBI Official Synonym Symbols	DI; FR; SW; WD; WR; AE1; WD1; BND3; EPB3; CD233; EMPB3; RTA1A
NCBI Protein Information	band 3 anion transport protein; Diego blood group; Swann blood group; anion exchanger 1; anion exchanger-1; Froese blood group; Wright blood group; Waldner blood group; anion exchange protein 1; erythroid anion exchange protein; erythrocyte membrane protein band 3; solute carrier family 4, anion exchanger, number 1; solute carrier family 4, anion exchanger, member 1 (erythrocyte membrane protein band 3, Diego blood group)
UniProt Protein Name	Band 3 anion transport protein
UniProt Gene Name	**SLC4A1**
UniProt Synonym Gene Names	AE1; DI; EPB3; AE 1; Anion exchanger 1
UniProt Entry Name	B3AT_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: https://stage.aaabiotech.com/porcine-elisa-kits/band-3-anion-transport-protein-slc4a1/244828