

Human Anion exchange protein 2 (SLC4A2) ELISA Kit | SLC4A2 elisa kit

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CATALOG #
AAA245455

REACTIVITY
Human

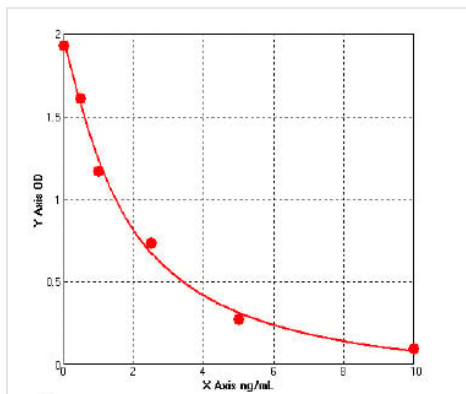
PRODUCT SYNONYMS

Anion exchange protein 2 (SLC4A2); Human Anion exchange protein 2 (SLC4A2) ELISA Kit; SLC4A2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC4A2. No significant cross-reactivity or interference between SLC4A2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SLC4A2 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SLC4A2 elisa kit	Intended Uses: This SLC4A2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SLC4A2. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: SLC4A2 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-SLC4A2 antibody and an SLC4A2-HRP conjugate. The assay sample and buffer are incubated together with SLC4A2-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 SLC4A2 concentration since SLC4A2 from samples and SLC4A2-HRP conjugate compete for the anti-SLC4A2 antibody binding site. Since the number of sites is limited, as more sites are occupied by SLC4A2 from the sample, fewer sites are left to bind SLC4A2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SLC4A2 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for SLC4A2 elisa kit	Cardiovascular

NCBI AND UNIPROT INFORMATION

NCBI GI #	314122220
NCBI GeneID	6522
NCBI Accession #	NP_001186621.1
NCBI GenBank Nucleotide #	NM_001199692.1
Molecular Weight	136,247 Da
NCBI Official Full Name	anion exchange protein 2 isoform 1
NCBI Official Synonym Full Names	solute carrier family 4 (anion exchanger), member 2
NCBI Official Symbol	SLC4A2
NCBI Official Synonym Symbols	AE2; HKB3; BND3L; NBND3; EPB3L1
NCBI Protein Information	anion exchange protein 2; AE 2; anion exchanger 2 type a; anion exchanger 2 type b1; anion exchanger 2 type b2; solute carrier family 4 member 2; non-erythroid band 3-like protein; erythrocyte membrane protein band 3-like 1
UniProt Protein Name	Anion exchange protein 2
UniProt Gene Name	SLC4A2
UniProt Synonym Gene Names	AE2; EPB3L1; HKB3; MPB3L; AE 2; Anion exchanger 2; BND3L
UniProt Entry Name	B3A2_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/human-elisa-kits/anion-exchange-protein-2-slc4a2/245455>