

Human Prestin ELISA Kit | Slc26a5 elisa kit

Human Prestin ELISA Kit

CATALOG #
AAA247271

REACTIVITY
Human

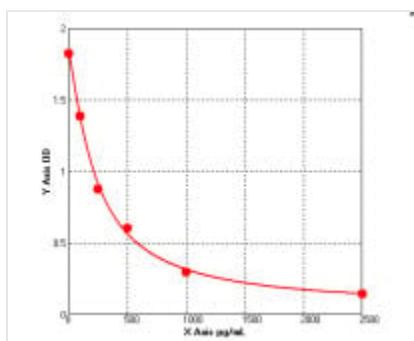
PRODUCT SYNONYMS

Prestin; Human Prestin ELISA Kit; Slc26a5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRES. No significant cross-reactivity or interference between PRES and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between PRES and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	744
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Reproducibility	Intra-Assay: CV<10% Inter-Assay: CV<15%
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 31% within the expiration date under appropriate storage condition.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Slc26a5 elisa kit	Principle of the Assay: PRES ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-PRES antibody and an PRES-HRP conjugate. The assay sample and buffer are incubated together with PRES-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 PRES concentration since PRES from samples and PRES-HRP conjugate compete for the anti-PRES antibody binding site. Since the number of sites is limited, as more sites are occupied by PRES from the sample, fewer sites are left to bind PRES-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The PRES concentration in each sample is interpolated from this standard curve. Intended Uses: This PRES ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human PRES. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13540646
NCBI GeneID	83819
NCBI Accession #	NP_110467.1
NCBI GenBank Nucleotide #	NM_030840.1
UniProt Accession #	Q9EPH0; Q9ERC6
Molecular Weight	81,279 Da
NCBI Official Full Name	prestin
NCBI Official Synonym Full Names	solute carrier family 26 member 5
NCBI Official Symbol	Slc26a5
NCBI Official Synonym Symbols	Pres; prestin
NCBI Protein Information	prestin
UniProt Protein Name	Prestin
UniProt Gene Name	Slc26a5
UniProt Synonym Gene Names	Pres

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/prestin/247271>