

## Mouse Prestin ELISA Kit | Slc26a5 elisa kit

Mouse Prestin ELISA Kit

CATALOG #  
**AAA27434**

REACTIVITY  
**Mouse**

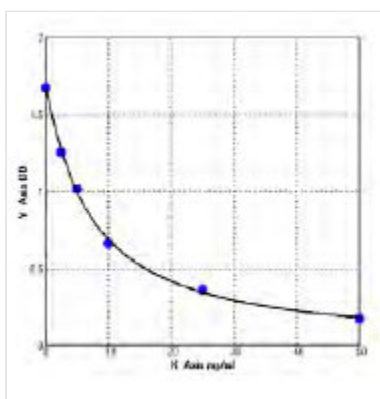
### PRODUCT SYNONYMS

Prestin; Mouse Prestin ELISA Kit; Slc26a5 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                          |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                                                                                                                                                                                                                                                                                                                                    |
| 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                                                                                                                                                                                                                                                                                                                                                                                      |
| Samples                 | Serum, plasma, cell culture supernatants, body fluid and tissue homogenate                                                                                                                                                                                                                                                                                                               |
| Assay Type              | Quantitative Competitive                                                                                                                                                                                                                                                                                                                                                                 |
| Sensitivity             | 0.1 ng/mL                                                                                                                                                                                                                                                                                                                                                                                |
| Preparation and Storage | Store at 2-8 degree C.<br>The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 33% within the expiration date under appropriate storage condition.                                                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

|                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
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| Related Product Information for Slc26a5 elisa kit | <p>Intended Uses: This PRES ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse PRES. This ELISA kit for research use only, not for therapeutic or test applications!</p> <p>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.</p> |
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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.