Human Basic Salivary Proline Rich Protein 1 (PRB1) ELISA Kit | PRB1 elisa kit

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CATALOG #	REACTIVITY
AAA186393	**Human**

PRODUCT SYNONYMS

Basic Salivary Proline Rich Protein 1 (PRB1); Human Basic Salivary Proline Rich Protein 1 (PRB1) ELISA Kit; PM; PMF; PMS; PRB1L; PRB1M; Ps 1; Ps 2; PRPPRB1; Ps; cP7; Proline-Rich Protein BstNI Subfamily 1; PRB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Basic Salivary Proline Rich Protein 1 (PRB1). No significant cross-reactivity or interference between Basic Salivary Proline Rich Protein 1 (PRB1) and analogues was observed.
Sequence Length	392
Assay Type	Double-antibody Sandwich
Samples	Saliva and Other Biological Fluids
Detection Range	1.56-100ng/mL
Sensitivity	< 0.59ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Basic Salivary Proline Rich Protein 1 (PRB1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Basic Salivary Proline Rich Protein 1 (PRB1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of 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. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRB1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Basic Salivary Proline Rich Protein 1 (PRB1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Basic Salivary Proline Rich Protein 1 (PRB1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Basic Salivary Proline Rich Protein 1 (PRB1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Basic Salivary Proline Rich Protein 1 (PRB1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	41349482
NCBI GeneID	5542
NCBI Accession #	NP_005030.2
NCBI GenBank Nucleotide #	NM_005039.3
UniProt Accession #	P04280; Q08805; Q15186; Q15187; Q15214; Q15215; Q16038
Molecular Weight	38,546 Da
NCBI Official Full Name	basic salivary proline-rich protein 1 isoform 1 preproprotein
NCBI Official Synonym Full Names	proline rich protein BstNI subfamily 1
NCBI Official Symbol	PRB1
NCBI Official Synonym Symbols	PM; PMF; PMS; PRB1L; PRB1M
NCBI Protein Information	basic salivary proline-rich protein 1
UniProt Protein Name	Basic salivary proline-rich protein 1
UniProt Gene Name	**PRB1**
UniProt Synonym Gene Names	Salivary proline-rich protein

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/basic-salivary-proline-rich-protein-1-prb1/186393