

Human Basic Salivary Proline Rich Protein 4 (PRB4) ELISA Kit | PRB4 elisa kit

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CATALOG #
AAA68446

REACTIVITY
Human

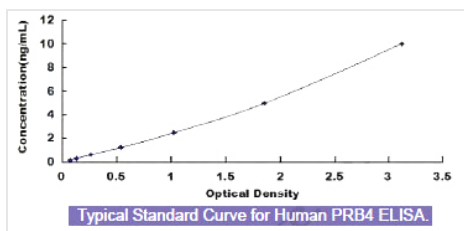
PRODUCT SYNONYMS

Basic Salivary Proline Rich Protein 4 (PRB4); Human Basic Salivary Proline Rich Protein 4 (PRB4) ELISA Kit; Po; BstNI type basic salivary proline-rich protein 4; Parotid o protein; Salivary proline-rich protein II-1; Proline-rich peptide IB-5; PRB4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRB4. No significant cross-reactivity or interference between PRB4 and analogues was observed.
Sequence Length	310
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.070ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRB4 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level PRB4 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRB4 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of PRB4 in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRB4. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PRB4. 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 PRB4, 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 PRB4 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	635377465
NCBI GeneID	5545
UniProt Accession #	P10163; O00600; P02813; P10161; P10162; P81489; A1L439
Molecular Weight	31,326 Da
NCBI Official Full Name	Basic salivary proline-rich protein 4
NCBI Official Synonym Full Names	proline rich protein BstNI subfamily 4
NCBI Official Symbol	PRB4
NCBI Official Synonym Symbols	Po
NCBI Protein Information	basic salivary proline-rich protein 4
UniProt Protein Name	Basic salivary proline-rich protein 4
UniProt Gene Name	PRB4
UniProt Synonym Gene Names	Salivary proline-rich protein Po

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.