

Human Basic Salivary Proline Rich Protein 3 (PRB3) ELISA Kit | PRB3 elisa kit

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CATALOG #
AAA68068

REACTIVITY
Human

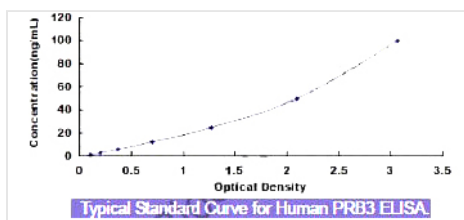
PRODUCT SYNONYMS

Basic Salivary Proline Rich Protein 3 (PRB3); Human Basic Salivary Proline Rich Protein 3 (PRB3) ELISA Kit; G1; PRG; Proline-Rich Protein BstNI Subfamily 3; Parotid salivary glycoprotein G1; Proline-rich protein G1; PRB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of PRB3. No significant cross-reactivity or interference between PRB3 and analogues was observed.
Sequence Length	309
Samples	Serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Assay Type	Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.72ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level PRB3 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 PRB3 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PRB3 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of PRB3 in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to PRB3. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to PRB3. 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 PRB3, 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 PRB3 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 #	229462763
NCBI GeneID	5544
UniProt Accession #	Q04118; Q15188; Q4VAY3; Q4VAY4; Q7M4M9; Q9UCT9
Molecular Weight	30,980 Da
NCBI Official Full Name	Basic salivary proline-rich protein 3
NCBI Official Synonym Full Names	proline rich protein BstNI subfamily 3
NCBI Official Symbol	PRB3
NCBI Official Synonym Symbols	G1; PRG
NCBI Protein Information	basic salivary proline-rich protein 3
UniProt Protein Name	Basic salivary proline-rich protein 3
UniProt Gene Name	PRB3

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.