

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

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CATALOG #
AAA331367

REACTIVITY
Human

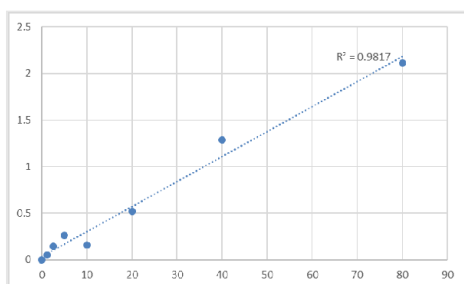
PRODUCT SYNONYMS

Basic Salivary Proline-Rich Protein 3 (PRB3); Human Basic Salivary Proline-Rich Protein 3 (PRB3) ELISA Kit; PRB3; G1; MGC116862; MGC116863; MGC116864; PRG; BstNI type basic salivary proline-rich protein 3; G1 parotid salivary glycoprotein; PRB3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Basic salivary proline-rich protein 3 (PRB3) ELISA Kit has high sensitivity and excellent specificity for detection of Human PRB3. No significant cross-reactivity or interference between Human PRB3 and analogues was observed.
Sequence Length	309
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Basic salivary proline-rich protein 3 (PRB3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PRB3 elisa kit	Description: This Human Basic salivary proline-rich protein 3 (PRB3) ELISA Kit employs a two-site sandwich ELISA to quantitate PRB3 in samples. An antibody specific for PRB3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PRB3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PRB3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PRB3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Basic salivary proline-rich protein 3 is a proline-rich salivary protein. It is a major constituent of parotid saliva. This protein is proposed to act as a bacterial receptor. This gene and five other genes that also encode salivary proline-rich proteins (PRPs), as well as a gene encoding a lacrimal gland PRP, form a PRP gene cluster in the chromosomal 12p13 region. The G1-8 protein variant was found in Ashkenazi Jews with a gene frequency of approximately 0.008 but was not found in the general Caucasian, black, or Japanese populations. Both G1-8, coded by the PRB3 locus, and Pa-1, coded by the PRH1 locus, are disulfide bonded and probably modify salivary peroxidase (part of an important intraoral antibacterial system) through formation of disulfide-bonded heterodimers.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	229462763
UniProt Accession #	Q04118
NCBI Official Full Name	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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/basic-salivary-proline-rich-protein-3-prb3/331367>