

Human Prominin 2 (PROM2) ELISA Kit | PROM2 elisa kit

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CATALOG #
AAA331304

REACTIVITY
Human

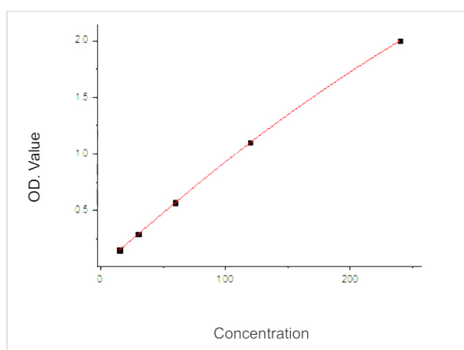
PRODUCT SYNONYMS

Prominin 2 (PROM2); Human Prominin 2 (PROM2) ELISA Kit; PROM2; MGC138714; PROML2; OTTHUMP00000207357; prominin-like protein 2; prominin-related protein; PROM2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prominin 2 (PROM2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PROM2. No significant cross-reactivity or interference between Human PROM2 and analogues was observed.
Sequence Length	834
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	15 pg/ml - 240 pg/ml
Sensitivity	< 1pg/ml
Intra-assay Precision	Four samples of known concentration were tested twenty times on one plate to assess intra-assay precision. The CV (%)?9%.
Inter-assay Precision	Three samples of known concentration were tested in twenty separate assays to assess inter-assay precision. Assays were performed by at least three technicians using two lots of components. The CV (%)?11%.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PROM2 elisa kit	Background: Prominin 2 is a member of the prominin family of pentaspan membrane glycoproteins. The encoded protein localizes to basal epithelial cells and may be involved in the organization of plasma membrane microdomains. Alternative splicing results in multiple transcript variants. Colocalizes with PROM1. Associates with membrane in a cholesterol-dependent manner. Localizes to the apical and basolateral membranes of epithelial cells Present in saliva within small membrane particles (at protein level). Expressed in kidney, prostate, trachea, esophagus, salivary gland, thyroid gland, mammary gland adrenal gland, placenta, stomach, spinal cord and liver. In submucosal tumor, expressed in spindle-shaped or stellate stromal cells. Expressed in prostate cancer cell lines. Principle of the Assay: Human Prominin 2 (PROM2) ELISA Kit employs a two-site sandwich ELISA to quantitate PROM2 in samples. An antibody specific for PROM2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PROM2 present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PROM2 detection antibody is added to the wells. Following a wash to remove any unbound HRP reagent, a Chromogen solution is added to the wells and color develops in proportion to the amount of PROM2 bound in the initial step. The color development is stopped and the intensity of the color is measured.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260764011
NCBI GeneID	150696
NCBI Accession #	NP_653308.2
NCBI GenBank Nucleotide #	NP_653308.2
UniProt Accession #	Q8N271
NCBI Official Full Name	prominin-2 isoform 1
NCBI Official Synonym Full Names	prominin 2
NCBI Official Symbol	PROM2
NCBI Official Synonym Symbols	PROML2
NCBI Protein Information	prominin-2
UniProt Protein Name	Prominin-2
UniProt Gene Name	PROM2
UniProt Synonym Gene Names	PROML2; PROM-2; hPROML2
UniProt Entry Name	PROM2_HUMAN

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.