

Human Prominin-1 (PROM1) ELISA Kit | PROM1 elisa kit

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CATALOG #
AAA331305

REACTIVITY
Human

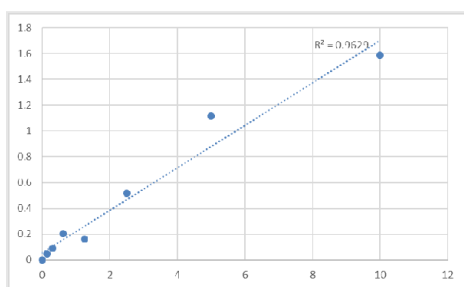
PRODUCT SYNONYMS

Prominin-1 (PROM1); Human Prominin-1 (PROM1) ELISA Kit; PROM1; AC133; CD133; CORD12; MCDR2; MSTP061; PROM1; RP41; STGD4; hProminin; hematopoietic stem cell antigen; prominin-like 1; PROM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prominin-1 (PROM1) ELISA Kit has high sensitivity and excellent specificity for detection of Human PROM1. No significant cross-reactivity or interference between Human PROM1 and analogues was observed.
Sequence Length	865
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 Prominin-1 (PROM1) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PROM1 elisa kit	Description: This Human Prominin-1 (PROM1) ELISA Kit employs a two-site sandwich ELISA to quantitate PROM1 in samples. An antibody specific for PROM1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PROM1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PROM1 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 PROM1 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: CD133 is a glycoprotein also known in humans and rodents as Prominin 1 (PROM1).It is the founding member of pentaspan transmembrane glycoproteins (5-transmembrane, 5-TM), which specifically localizes to cellular protrusions. CD133 is expressed in hematopoietic stem cells, endothelial progenitor cells, glioblastomas, neuronal and glial stem cells and some other cell types. In contrast, AC133-1 was prominent in fetal brain and adult skeletal muscle and absent in fetal liver and kidney and in adult pancreas, kidney, bone marrow, hematopoietic stem cells, and placenta. RT-PCR and flow cytometric analysis revealed expression of AC133-2 in basal epidermal stem cells, and the expression was downregulated in cultured basal cells.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	13124442
NCBI GeneID	8842
UniProt Accession #	O43490
NCBI Official Full Name	Prominin-1
NCBI Official Synonym Full Names	prominin 1
NCBI Official Symbol	PROM1
NCBI Official Synonym Symbols	RP41; AC133; CD133; MCDR2; STGD4; CORD12; PROML1; MSTP061
NCBI Protein Information	prominin-1
UniProt Protein Name	Prominin-1
UniProt Gene Name	PROM1
UniProt Synonym Gene Names	PROML1
UniProt Entry Name	PROM1_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.