

Human Prosaposin (PSAP) ELISA Kit | PSAP elisa kit

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CATALOG #
AAA331275

REACTIVITY
Human

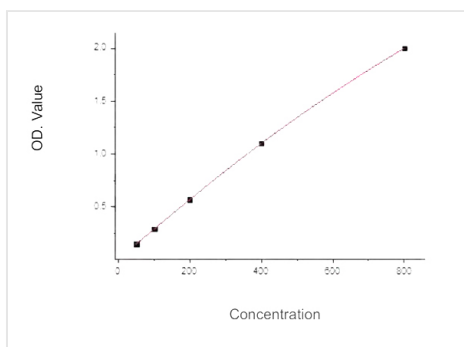
PRODUCT SYNONYMS

Prosaposin (PSAP); Human Prosaposin (PSAP) ELISA Kit; PSAP; FLJ00245; GLBA; MGC110993; SAP1; sphingolipid activator protein-1; PSAP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Prosaposin (PSAP) ELISA Kit has high sensitivity and excellent specificity for detection of Human PSAP. No significant cross-reactivity or interference between Human PSAP and analogues was observed.
Sequence Length	527
Assay Type	Sandwich
Samples	Human serum, cell culture supernates and other biological fluids
Detection Range	50 ng/L - 800 ng/L
Sensitivity	< 5ng/L
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 PSAP elisa kit	Background: Prosaposin also known as PSAP is a highly conserved glycoprotein which is a precursor for 4 cleavage products: saposins A, B, C, and D. Saposin is an acronym for Sphingolipid Activator Pro[Serine]threonine. Each domain of the precursor protein is approximately 80 amino acid residues long with nearly identical placement of cysteine residues and glycosylation sites. Saposins A-D localize primarily to the lysosomal compartment where they facilitate the catabolism of glycosphingolipids with short oligosaccharide groups. The precursor protein exists both as a secretory protein and as an integral membrane protein and has neurotrophic activities. Saposins A-D are required for the hydrolysis of certain shingolipids by specific lysosomal hydrolases. Principle of the Assay: Human Prosaposin (PSAP) ELISA Kit employs a two-site sandwich ELISA to quantitate PSAP in samples. An antibody specific for PSAP has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PSAP present is bound by the immobilized antibody. After removing any unbound substances, HRP-Conjugated Human PSAP 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 PSAP 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 #	110224476
NCBI GeneID	5660
NCBI Accession #	NP_001035930.1
NCBI GenBank Nucleotide #	NP_001035930.1
UniProt Accession #	P07602
NCBI Official Full Name	prosaposin isoform b preproprotein
NCBI Official Synonym Full Names	prosaposin
NCBI Official Symbol	PSAP
NCBI Official Synonym Symbols	GLBA; SAP1
NCBI Protein Information	prosaposin
UniProt Protein Name	Proactivator polypeptide
UniProt Gene Name	PSAP
UniProt Synonym Gene Names	GLBA; SAP1; CSAct; SAP-1; SAP-2
UniProt Entry Name	SAP_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.