

Human sphingomyelin phosphodiesterase, acid-like 3B ELISA Kit | SMPDL3B elisa kit

Human Acid sphingomyelinase-like phosphodiesterase 3b, SMPDL3B ELISA Kit

CATALOG #
AAA18177

REACTIVITY
Human

PRODUCT SYNONYMS

sphingomyelin phosphodiesterase; acid-like 3B; Human Acid sphingomyelinase-like phosphodiesterase 3b; SMPDL3B ELISA Kit; Human Acid sphingomyelinase-like phosphodiesterase 3b (SMPDL3B) ELISA kit; RP11-460113.1; ASML3B; acid sphingomyelinase-like phosphodiesterase; acid sphingomyelinase-like phosphodiesterase 3B; SMPDL3B elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of human SMPDL3B. No significant cross-reactivity or interference between human SMPDL3B and analogues was observed.
Sequence Length	373
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, cell lysates
Detection Range	0.625 ng/ml-40 ng/ml
Sensitivity	< 0.156 ng/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess.
Inter-assay Precision	Inter-assay Precision (Precision between assays): CV%<10%. Three samples of known concentration were tested in twenty assays to assess.
Preparation and Storage	Unopened test kits should be stored at 2 to 8 degree C upon receipt. Please refer to pdf manual for further storage instructions.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SMPDL3B elisa kit

Principle of the Assay: This assay employs the quantitative sandwich enzyme immunoassay technique. Antibody specific for SMPDL3B has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any SMPDL3B present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for SMPDL3B is added to the wells. After washing, avidin 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 SMPDL3B bound in the initial step. The color development is stopped and the intensity of the color is measured.

NCBI AND UNIPROT INFORMATION

NCBI GI #	57242800
NCBI GeneID	27293
NCBI Accession #	NP_001009568.1
NCBI GenBank Nucleotide #	NM_001009568.1
UniProt Accession #	Q92485; Q5T0Z0; Q96CB7; B7ZB35
Molecular Weight	50,814 Da
NCBI Official Full Name	acid sphingomyelinase-like phosphodiesterase 3b isoform 2
NCBI Official Synonym Full Names	sphingomyelin phosphodiesterase, acid-like 3B
NCBI Official Symbol	SMPDL3B
NCBI Official Synonym Symbols	ASML3B
NCBI Protein Information	acid sphingomyelinase-like phosphodiesterase 3b; ASM-like phosphodiesterase 3b
UniProt Protein Name	Acid sphingomyelinase-like phosphodiesterase 3b
UniProt Gene Name	SMPDL3B
UniProt Synonym Gene Names	ASML3B; ASM-like phosphodiesterase 3b
UniProt Entry Name	ASM3B_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.

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Online datasheet: <https://stage.aaabiotech.com/smpdl3b-human-elisa-kits/sphingomyelin-phosphodiesterase-acid-like-3b/18177>