

Mouse Acid ceramidase (ASAH1) ELISA Kit | ASAH1 elisa kit

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CATALOG #
AAA27266

REACTIVITY
Mouse

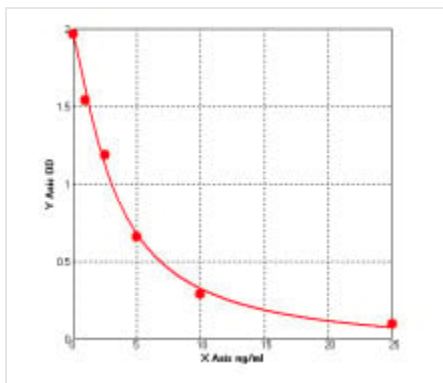
PRODUCT SYNONYMS

Acid ceramidase (ASAH1); Mouse Acid ceramidase (ASAH1) ELISA Kit; ASAH1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ASAH1. No significant cross-reactivity or interference between ASAH1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ASAH1 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASAH1 elisa kit	Principle of the Assay: ASAH1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ASAH1 antibody and an ASAH1-HRP conjugate. The assay sample and buffer are incubated together with ASAH1-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the ASAH1 concentration since ASAH1 from samples and ASAH1-HRP conjugate compete for the anti-ASAH1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ASAH1 from the sample, fewer sites are left to bind ASAH1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ASAH1 concentration in each sample is interpolated from this standard curve. Intended Uses: This ASAH1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ASAH1. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	1743867
NCBI GeneID	427
Molecular Weight	44,046 Da
NCBI Official Full Name	acid ceramidase
NCBI Official Synonym Full Names	N-acylsphingosine amidohydrolase (acid ceramidase) 1
NCBI Official Symbol	ASAH1
NCBI Official Synonym Symbols	AC; PHP; ASAH; PHP32; ACDase; SMAPME
NCBI Protein Information	acid ceramidase; acid CDase; acylsphingosine deacylase; putative 32 kDa heart protein
UniProt Protein Name	Acid ceramidase
UniProt Gene Name	ASAH1
UniProt Synonym Gene Names	ASAH; HSD-33; HSD33; AC; ACDase; Acid CDase; PHP32
UniProt Entry Name	ASAH1_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/mouse-elisa-kits/acid-ceramidase-asah1/27266>