

Rat Acid ceramidase ELISA Kit | ASAH1 elisa kit

Rat Acid ceramidase (ASAH1) ELISA Kit

CATALOG # AAA55717	REACTIVITY Rat
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PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Rat ASAH1. No significant cross-reactivity or interference between Rat ASAH1 and analogues was observed.
Sequence Length	395
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.625 ng/mL - 40 ng/mL
Sensitivity	0.31 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV (%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for ASAH1 elisa kit	Intended Uses: For the quantitative detection of Rat Acid ceramidase (ASAH1) concentration in serum, plasma and other biological fluids. Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate ASAH1 in Rat serum, plasma. An antibody specific for ASAH1 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any ASAH1 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for ASAH1 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 ASAH1 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 #	40254747
NCBI GeneID	84431
NCBI Accession #	NP_445859.2
NCBI GenBank Nucleotide #	NM_053407.3
UniProt Accession #	Q6P7S1; Q9EQJ6

Molecular Weight	44,443 Da
NCBI Official Full Name	acid ceramidase
NCBI Official Synonym Full Names	N-acylsphingosine amidohydrolase 1
NCBI Official Symbol	Asah1
NCBI Official Synonym Symbols	Asah
NCBI Protein Information	acid ceramidase
UniProt Protein Name	Acid ceramidase
UniProt Gene Name	Asah1
UniProt Synonym Gene Names	AC; ACDase; Acid CDase

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://www.aaabiotech.com/asah1-rat-elisa-kits/acid-ceramidase/55717>