

Mouse Alkaline ceramidase 1 (ACER1) ELISA Kit | ACER1 elisa kit

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CATALOG #
AAA27257

REACTIVITY
Mouse

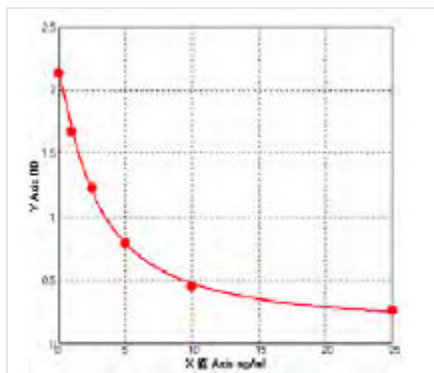
PRODUCT SYNONYMS

Alkaline ceramidase 1 (ACER1); Mouse Alkaline ceramidase 1 (ACER1) ELISA Kit; ACER1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ACER1. No significant cross-reactivity or interference between ACER1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACER1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
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 ACER1 elisa kit	Intended Uses: This ACER1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ACER1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ACER1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ACER1 antibody and an ACER1-HRP conjugate. The assay sample and buffer are incubated together with ACER1-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 ACER1 concentration since ACER1 from samples and ACER1-HRP conjugate compete for the anti-ACER1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ACER1 from the sample, fewer sites are left to bind ACER1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACER1 concentration in each sample is interpolated from this standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	19424128
NCBI GeneID	125981
NCBI Accession #	NP_597999.1
NCBI GenBank Nucleotide #	NM_133492.2
Molecular Weight	31,095 Da
NCBI Official Full Name	alkaline ceramidase 1
NCBI Official Synonym Full Names	alkaline ceramidase 1
NCBI Official Symbol	ACER1
NCBI Official Synonym Symbols	ASAH3; ALKCDase1
NCBI Protein Information	alkaline ceramidase 1; alkCDase 1; alkaline CDase 1; acylsphingosine deacylase 3; N-acylsphingosine amidohydrolase 3; N-acylsphingosine amidohydrolase (alkaline ceramidase) 3
UniProt Protein Name	Alkaline ceramidase 1
UniProt Gene Name	ACER1
UniProt Synonym Gene Names	ASAH3; AlkCDase 1; Alkaline CDase 1
UniProt Entry Name	ACER1_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.