

Human Aspartoacylase (ASPA) ELISA Kit | ASPA elisa kit

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CATALOG #
AAA27129

REACTIVITY
Human

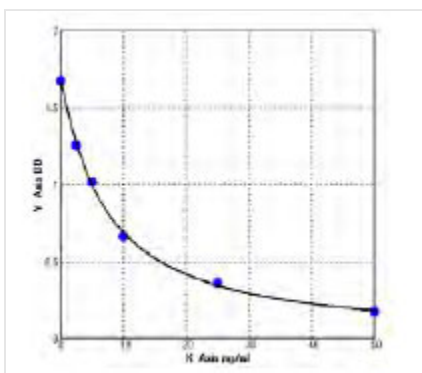
PRODUCT SYNONYMS

Aspartoacylase (ASPA); Human Aspartoacylase (ASPA) ELISA Kit; ASPA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ug/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ASPA elisa kit

Intended Uses: This ASMA ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human ASMA. This ELISA kit for research use only!

Principle of the Assay: ASMA ELISA kit applies the competitive enzyme immunoassay technique utilizing Smooth Muscle antigen and an ASMA-HRP conjugate. The assay sample and buffer are incubated together with ASMA-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 ASMA concentration since ASMA from samples and ASMA-HRP conjugate compete for the Smooth Muscle antigen binding site. Since the number of sites is limited, as more sites are occupied by ASMA from the sample, fewer sites are left to bind ASMA-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ASMA concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	189339202
NCBI GeneID	443
NCBI Accession #	NP_001121557.1
NCBI GenBank Nucleotide #	NM_001128085.1
Molecular Weight	35,735 Da
NCBI Official Full Name	aspartoacylase
NCBI Official Synonym Full Names	aspartoacylase
NCBI Official Symbol	ASPA
NCBI Official Synonym Symbols	ASP; ACY2
NCBI Protein Information	aspartoacylase; ACY-2; aminoacylase 2; aminoacylase-2
UniProt Protein Name	Aspartoacylase
UniProt Gene Name	ASPA
UniProt Synonym Gene Names	ACY2; ASP; ACY-2
UniProt Entry Name	ACY2_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/human-elisa-kits/aspartoacylase-aspa/27129>