

Human Arylsulfatase A (ARSA) ELISA Kit | ARSA elisa kit

Human Arylsulfatase A (ARSA) High Sensitive CLIA Kit

CATALOG # AAA150387	REACTIVITY Human	APPLICATIONS ELISA
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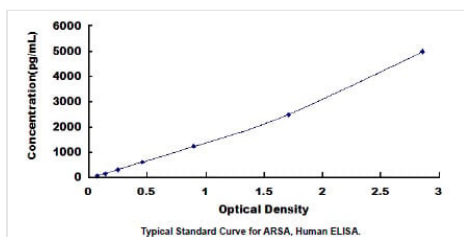
PRODUCT SYNONYMS

Arylsulfatase A (ARSA); Human Arylsulfatase A (ARSA) High Sensitive CLIA Kit; MLD; ASA; Metachromatic Leucodystrophy; Cerebroside-sulfatase; ARSA elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ARSA. No significant cross-reactivity or interference between ARSA and analogues was observed.
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	78-5,000pg/mL
Sensitivity	30pg/mL
Applicable Applications for ARSA elisa kit	ELISA
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ARSA were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level ARSA were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ARSA elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of ARSA in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to ARSA. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to ARSA. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain ARSA, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of ARSA in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for ARSA elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	313569791
NCBI GeneID	410
NCBI Accession #	NP_000478.3
NCBI GenBank Nucleotide #	NM_000487.5
UniProt Accession #	P15289; Q6ICI5; Q96CJ0; B2RCA6; B7XD04; F8WCC8
Molecular Weight	53,588 Da
NCBI Official Full Name	arylsulfatase A isoform a
NCBI Official Synonym Full Names	arylsulfatase A
NCBI Official Symbol	ARSA
NCBI Official Synonym Symbols	MLD
NCBI Protein Information	arylsulfatase A; ASA; cerebroside-sulfatase
UniProt Protein Name	Arylsulfatase A
UniProt Gene Name	ARSA
UniProt Synonym Gene Names	ASA
UniProt Entry Name	ARSA_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.