ARG82744
Human Arylsulfatase A ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG82744-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG82744-002	Standard	2 X 10 ng/vial	4°C
ARG82744-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG82744-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG82744-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG82744-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG82744-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG82744-008	25X Wash buffer	20 ml	4°C
ARG82744-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG82744-010	STOP solution	10 ml (Ready to use)	4°C
ARG82744-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG82744 Human Arylsulfatase A ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human Arylsulfatase A in serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Target Name	Arylsulfatase A
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	156 pg/ml
Sample Type	Serum, plasma (EDTA, heparin, citrate) and cell culture supernatants.
Standard Range	312 - 20000 pg/ml
Sample Volume	100 µl
Precision	Intra-Assay CV: 4.6% Inter-Assay CV: 5.9%

Alternate Names	ASA; Cerebroside-sulfatase; EC 3.1.6.8; Arylsulfatase A; MLD

Application Instructions

Assay Time	~ 5 hours

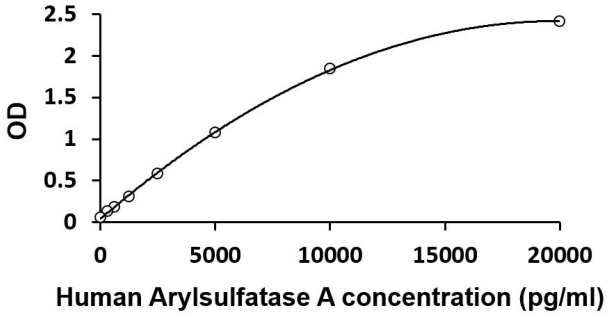
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ARSA
Gene Full Name	arylsulfatase A
Background	The protein encoded by this gene hydrolyzes cerebroside sulfate to cerebroside and sulfate. Defects in this gene lead to metachromatic leucodystrophy (MLD), a progressive demyelination disease which results in a variety of neurological symptoms and ultimately death. Alternatively spliced transcript variants have been described for this gene. [provided by RefSeq, Dec 2010]
Function	Hydrolyzes cerebroside sulfate. [UniProt]
Highlight	Related products: Arylsulfatase antibodies; Arylsulfatase ELISA Kits; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The conversion to 3-oxoalanine (also known as C-formylglycine, FGly), of a serine or cysteine residue in prokaryotes and of a cysteine residue in eukaryotes, is critical for catalytic activity. This post-translational modification is severely defective in multiple sulfatase deficiency (MSD). [UniProt]
Cellular Localization	Lysosome. [UniProt]

Images



ARG82744 Human Arylsulfatase A ELISA Kit standard curve image

ARG82744 Human Arylsulfatase A ELISA Kit results of a typical standard run with optical density reading at 450 nm.