Human ADP Ribosyltransferase 1 (ART1) ELISA Kit | ART1 elisa kit

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CATALOG #	REACTIVITY
AAA68503	**Human**

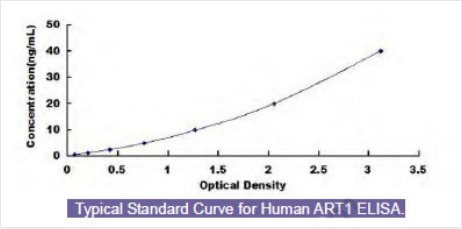
PRODUCT SYNONYMS

ADP Ribosyltransferase 1 (ART1); Human ADP Ribosyltransferase 1 (ART1) ELISA Kit; CD296; ART2; ARTC1; Mono(ADP-ribosyl)transferase 1; ADP-ribosyltransferase C2 and C3 toxin-like 1; GPI-linked NAD(P)(+)--arginine ADP-ribosyltransferase 1; ART1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of ART1. No significant cross-reactivity or interference between ART1 and analogues was observed.
Sequence Length	327
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.625-40ng/mL
Sensitivity	<0.234ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level ART1 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 ART1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ART1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of ART1 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to ART1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to ART1. 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 ART1, 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 ART1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	158634472
NCBI GeneID	417
NCBI Accession #	NP_004305.2
NCBI GenBank Nucleotide #	NM_004314.2
UniProt Accession #	P52961; Q6NTD2; Q96KT9
Molecular Weight	36,335 Da
NCBI Official Full Name	GPI-linked NAD(P)(+)--arginine ADP-ribosyltransferase 1
NCBI Official Synonym Full Names	ADP-ribosyltransferase 1
NCBI Official Symbol	ART1
NCBI Official Synonym Symbols	RT6; ART2; ARTC1; CD296
NCBI Protein Information	GPI-linked NAD(P)(+)--arginine ADP-ribosyltransferase 1
UniProt Protein Name	GPI-linked NAD(P)(+)--arginine ADP-ribosyltransferase 1
UniProt Gene Name	**ART1**
UniProt Synonym Gene Names	ARTC1

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/adp-ribosyltransferase-1-art1/68503