

Human SARM1 (Sterile alpha and TIR motif-containing protein 1) ELISA Kit | SARM1 elisa kit

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CATALOG #
AAA249600

REACTIVITY
Human

PRODUCT SYNONYMS

SARM1 (Sterile alpha and TIR motif-containing protein 1); Human SARM1 (Sterile alpha and TIR motif-containing protein 1) ELISA Kit; SARM1; NAD(+) hydrolase SARM1; NADase SARM1; hSARM1; Sterile alpha and Armadillo repeat protein; Sterile alpha and TIR motif-containing protein 1; Sterile alpha motif domain-containing protein 2; MyD88-5; SAM domain-containing protein 2; Tir-1 homolog; HsTIR; SARM1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize SARM1, no obvious cross reaction with other analogues
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SARM1 elisa kit	Background: Sterile alpha and TIR motif-containing protein 1 (SARM1) is a TIR domain-containing adaptor protein that contains two sterile alpha motif (SAM) domains. SARM1 is the only known TIR domain-containing adaptor that does not activate NF-kappaB, but instead negatively regulates toll-like receptor signaling. SARM1 inhibits signaling by TLR3 and TLR4 through direct interaction with the TIR domain-containing adapter TRIF, which is required for TLR3 and MyD88-independent TLR4 signaling. SARM1 can mediate injury-induced axon death, neuronal cell death in response to infection with the encephalitis-causing La Crosse virus, and T cell death following an immune response to infection. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti SARM1 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti SARM1 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with SARM1 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of SARM1 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	154090976
NCBI GeneID	23098
NCBI Accession #	NP_055892
NCBI GenBank Nucleotide #	NM_015077.3
UniProt Accession #	Q6SZW1; O60277; Q7LGG3; Q9NXY5
Molecular Weight	75,337 Da
NCBI Official Full Name	sterile alpha and TIR motif-containing protein 1
NCBI Official Synonym Full Names	sterile alpha and TIR motif containing 1
NCBI Official Symbol	SARM1
NCBI Official Synonym Symbols	SARM; SAMD2; MyD88-5
NCBI Protein Information	sterile alpha and TIR motif-containing protein 1; tir-1 homolog; SAM domain-containing protein 2; sterile alpha and Armadillo repeat protein; sterile alpha motif domain-containing protein 2; sterile alpha and HEAT/Armadillo motif protein, ortholog of Dros
UniProt Protein Name	Sterile alpha and TIR motif-containing protein 1
UniProt Gene Name	SARM1
UniProt Synonym Gene Names	KIAA0524; SAMD2; SARM; MyD88-5; SAM domain-containing protein 2
UniProt Entry Name	SARM1_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/sarm1-sterile-alpha-and-tir-motif-containing-protein-1/249600>