

Human Virus Inhibitory Protein (Viperin) ELISA Kit | RSAD2 elisa kit

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CATALOG #
AAA20697

REACTIVITY
Human

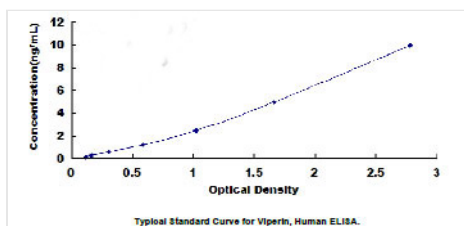
PRODUCT SYNONYMS

Virus Inhibitory Protein (Viperin); Human Virus Inhibitory Protein (Viperin) ELISA Kit; Cig5; RSAD2; vig1; Radical S-Adenosyl Methionine Domain Containing 2; Viperin; Endoplasmic Reticulum-Associated; Interferon-Inducible; Cytomegalovirus-induced gene 5; RSAD2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Viperin. No significant cross-reactivity or interference between Viperin and analogues was observed.
Sequence Length	361
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates And Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.055ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Viperin 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 Viperin 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 RSAD2 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of Viperin 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 Viperin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Viperin. 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 Viperin, 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 Viperin in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for RSAD2 elisa kit	Signal Transduction
References	A long-term follow-up study on biochemical and clinical biomarkers of response to interferon beta-1b treatment in relapsing-remitting multiple sclerosis; Adv Clin Exp Med; 2020 Jul;29(7):841-851.; PMID: 32500977; Anna Pietrzak; Department of Neurology, Poznan University of Medical Sciences, Poland.

NCBI AND UNIPROT INFORMATION

NCBI GI #	17974550
NCBI GeneID	91543
UniProt Accession #	Q8WXG1; Q8WVI4
Molecular Weight	42,170 Da
NCBI Official Full Name	viperin
NCBI Official Synonym Full Names	radical S-adenosyl methionine domain containing 2
NCBI Official Symbol	RSAD2
NCBI Official Synonym Symbols	cig5; vig1; cig33; 2510004L01Rik
NCBI Protein Information	radical S-adenosyl methionine domain-containing protein 2
UniProt Protein Name	Radical S-adenosyl methionine domain-containing protein 2
UniProt Gene Name	RSAD2
UniProt Entry Name	RSAD2_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://www.aaabiotech.com/human-elisa-kits/virus-inhibitory-protein-viperin/20697>