

Human S Antigen (SAG) ELISA Kit | SAG elisa kit

Human S Antigen (SAG)(Sandwich ELISA) ELISA Kit

CATALOG #
AAA152541

REACTIVITY
Human

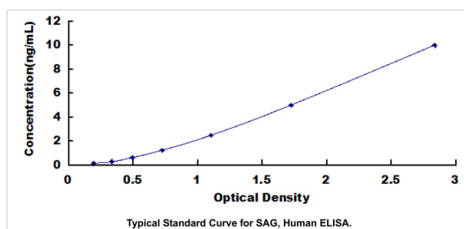
PRODUCT SYNONYMS

S Antigen (SAG); Human S Antigen (SAG)(Sandwich ELISA) ELISA Kit; ELISA Kit for S Antigen (SAG); S-AG; Retina And Pineal Gland; Arrestin; 48 kDa protein; Retinal S-antigen; Rod photoreceptor arrestin; SAG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SAG. No significant cross-reactivity or interference between SAG and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.057ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level SAG 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 SAG were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf-life: one year 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 SAG elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to SAG. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to SAG. 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 SAG, 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 SAG in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of SAG in human tissue homogenates, cell lysates and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	116008178
NCBI GeneID	6295
NCBI Accession #	NP_000532.2
NCBI GenBank Nucleotide #	NM_000541.4
UniProt Accession #	P10523; Q53SV3; Q99858; A0FDN6
Molecular Weight	45,120 Da
NCBI Official Full Name	S-arrestin
NCBI Official Synonym Full Names	S-antigen; retina and pineal gland (arrestin)
NCBI Official Symbol	SAG
NCBI Official Synonym Symbols	RP47; S-AG
NCBI Protein Information	S-arrestin
UniProt Protein Name	S-arrestin
UniProt Gene Name	SAG
UniProt Synonym Gene Names	S-AG
UniProt Entry Name	ARRS_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/s-antigen-sag/152541>