

Rat S Antigen ELISA Kit | SAG elisa kit

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CATALOG #
AAA86515

REACTIVITY
Rat

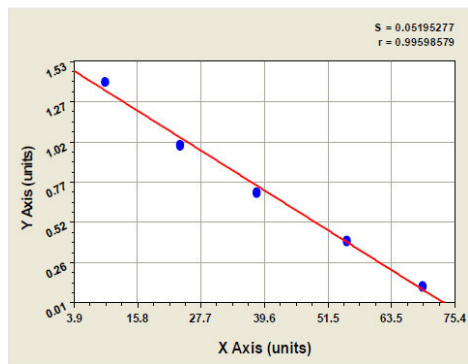
PRODUCT SYNONYMS

S Antigen; Rat S Antigen ELISA Kit; SAG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	250-5000pg/mL
Sensitivity	1.0pg/ml
Intended Uses	This SAG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat SAG. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for SAG elisa kit

Principle of the assay: SAG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-SAG antibody and an SAG-HRP conjugate. The assay sample and buffer are incubated together with SAG-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SAG concentration since SAG from samples and SAG-HRP conjugate compete for the anti-SAG antibody binding site. Since the number of sites is limited, as more sites are occupied by SAG from the sample, fewer sites are left to bind SAG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SAG concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	116008178
NCBI GeneID	6295
NCBI Accession #	NP_000532.2
NCBI GenBank Nucleotide #	NM_000541.4
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; arrestin 1; 48 kDa protein; rod photoreceptor arrestin; retinal S-antigen (48 KDa protein)
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.