

Bovine 40S ribosomal protein S6 (RPS6) ELISA Kit | RPS6 elisa kit

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CATALOG #
AAA247022

REACTIVITY
Bovine

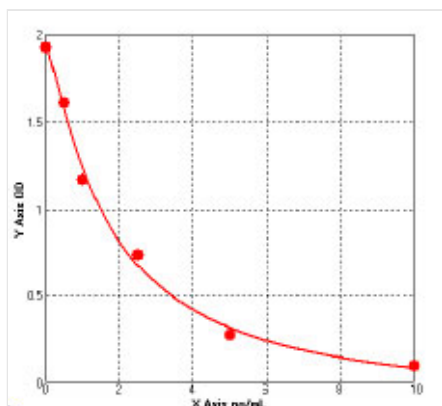
PRODUCT SYNONYMS

40S ribosomal protein S6 (RPS6); Bovine 40S ribosomal protein S6 (RPS6) ELISA Kit; RPS6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of RPS6. No significant cross-reactivity or interference between RPS6 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between RPS6 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for RPS6 elisa kit	Intended Uses: This RPS6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine RPS6. This ELISA kit for research use only! Principle of the Assay: RPS6 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-RPS6 antibody and an RPS6-HRP conjugate. The assay sample and buffer are incubated together with RPS6-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 RPS6 concentration since RPS6 from samples and RPS6-HRP conjugate compete for the anti-RPS6 antibody binding site. Since the number of sites is limited, as more sites are occupied by RPS6 from the sample, fewer sites are left to bind RPS6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The RPS6 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for RPS6 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	17158044
NCBI GeneID	6194
NCBI Accession #	NP_001001.2
NCBI GenBank Nucleotide #	NM_001010.2
Molecular Weight	28,681 Da
NCBI Official Full Name	40S ribosomal protein S6
NCBI Official Synonym Full Names	ribosomal protein S6
NCBI Official Symbol	RPS6
NCBI Official Synonym Symbols	S6
NCBI Protein Information	40S ribosomal protein S6; phosphoprotein NP33
UniProt Protein Name	40S ribosomal protein S6
UniProt Gene Name	RPS6
UniProt Synonym Gene Names	OK/SW-cl.2
UniProt Entry Name	RS6_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/bovine-ovine-elisa-kits/40s-ribosomal-protein-s6-rps6/247022>