

Sheep Rhodopsin ELISA Kit | RHO elisa kit

Sheep Rhodopsin (RHO) ELISA Kit

CATALOG #
AAA55924

REACTIVITY
Sheep

PRODUCT SYNONYMS

Rhodopsin; Sheep Rhodopsin (RHO) ELISA Kit; CSNBAD1; MGC138309; MGC138311; OPN2; RP4; opsin 2; rod pigment|retinitis pigmentosa 4; autosomal dominant|rhodopsin (opsin 2; rod pigment) (retinitis pigmentosa 4; autosomal dominant); RHO elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of Sheep RHO. No significant cross-reactivity or interference between Sheep RHO and analogues was observed.
Sequence Length	348
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.156 ng/mL - 10 ng/mL
Sensitivity	0.078 ng/mL (mean of 6 independent assays)
Intra-assay Precision	Intra-assay Precision (Precision within an assay) Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays) Three samples of known concentration were tested in forty separate assays to assess inter-assay precision. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 2-8 degree C.

ADDITIONAL INFORMATION

Related Product Information for RHO elisa kit

Principle of the Assay: This assay employs a two-site sandwich ELISA to quantitate RHO in Sheep serum, plasma. An antibody specific for RHO has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any RHO present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for RHO is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of RHO bound in the initial step. The color development is stopped and the intensity of the color is measured.

Intended Uses: For the quantitative detection of Sheep Rhodopsin (RHO) concentration in serum, plasma and other biological fluids.

NCBI AND UNIPROT INFORMATION

NCBI GI #	129212
NCBI GeneID	101123241
UniProt Accession #	P02700
Molecular Weight	38,892 Da

NCBI Official Full Name	Rhodopsin
NCBI Official Symbol	RHO
NCBI Protein Information	rhodopsin
UniProt Protein Name	Rhodopsin
UniProt Gene Name	RHO

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/rho-sheep-elisa-kits/rhodopsin/55924>