

Sheep Zonula Occludens-1 ELISA Kit | ZO-1 elisa kit

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CATALOG #
AAA247583

REACTIVITY
Sheep

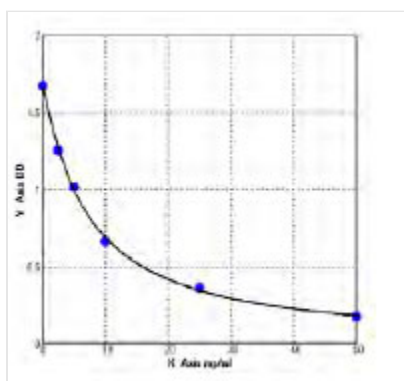
PRODUCT SYNONYMS

Zonula Occludens-1; Sheep Zonula Occludens-1 ELISA Kit; ZO-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of ZO1. No significant cross-reactivity or interference between ZO1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ZO1 and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	1624
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ZO-1 elisa kit	Intended Uses: This ZO1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep ZO1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: ZO1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-ZO1 antibody and an ZO1-HRP conjugate. The assay sample and buffer are incubated together with ZO1-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 ZO1 concentration since ZO1 from samples and ZO1-HRP conjugate compete for the anti-ZO1 antibody binding site. Since the number of sites is limited, as more sites are occupied by ZO1 from the sample, fewer sites are left to bind ZO1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ZO1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for ZO-1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	1345541790
Molecular Weight	180,009 Da
NCBI Official Full Name	zonula occludens-1
UniProt Protein Name	Zonula occludens-1
UniProt Gene Name	tjp1a
UniProt Synonym Gene Names	zo1.1ImportedAutomatic assertion inferred from database entriesEMBL:AVG18813.1

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/zo-1-sheep-elisa-kits/zonula-occludens-1/247583>