

Sheep Total Immunoglobulin ELISA Kit | TIG elisa kit

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CATALOG #
AAA91985

REACTIVITY
Sheep

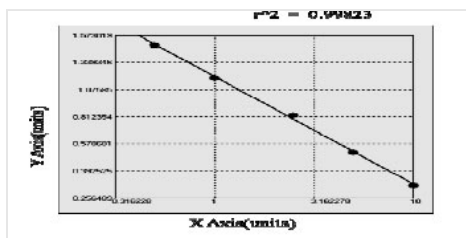
PRODUCT SYNONYMS

Total Immunoglobulin; Sheep Total Immunoglobulin ELISA Kit; TIG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Competitive (Quantitative)
Sensitivity	1.0 mg/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for TIG elisa kit

Intended Uses: This TIG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep TIG. This ELISA kit for research use only!

Principle of the Assay: TIG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-TIG antibody and an TIG-HRP conjugate. The assay sample and buffer are incubated together with TIG-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 TIG concentration since TIG from samples and TIG-HRP conjugate compete for the anti-TIG antibody binding site. Since the number of sites is limited, as more sites are occupied by TIG from the sample, fewer sites are left to bind TIG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The TIG concentration in each sample is interpolated from this standard curve.

Product Categories/Family for TIG elisa kit

[Immunology](#)

References

[Serum-mediated Haemonchus contortus larval aggregation differs by larval stage and is enhanced by complement.](#) Garza, J. J., Greiner, S. P. and Bowdridge, S. A. (2017)

NCBI AND UNIPROT INFORMATION

NCBI GI #	159030459
UniProt Accession #	A8YMD6
Molecular Weight	51,856 Da
NCBI Official Full Name	tig
UniProt Protein Name	Trigger factor
UniProt Gene Name	tig
UniProt Synonym Gene Names	IPF_798; TF
UniProt Entry Name	A8YMD6_MICAE

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/tig-sheep-elisa-kits/total-immunoglobulin/91985>