

Sheep Insulin Like Growth Factor Binding Protein 4 ELISA Kit | IGFBP4 elisa kit

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CATALOG #
AAA90745

REACTIVITY
Sheep

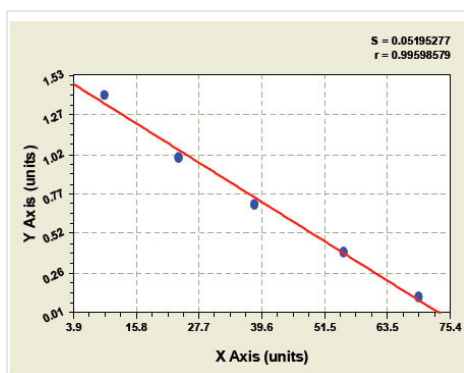
PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein 4; Sheep Insulin Like Growth Factor Binding Protein 4 ELISA Kit; IGFBP4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This IGFBP4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IGFBP4. 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 IGFBP4 elisa kit

Principle of the Assay: IGFBP4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IGFBP4 antibody and an IGFBP4-HRP conjugate. The assay sample and buffer are incubated together with IGFBP4-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 IGFBP4 concentration since IGFBP4 from samples and IGFBP4-HRP conjugate compete for the anti-IGFBP4 antibody binding site. Since the number of sites is limited, as more sites are occupied by IGFBP4 from the sample, fewer sites are left to bind IGFBP4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IGFBP4 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IGFBP4 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	62243290
NCBI GeneID	3487
NCBI Accession #	NP_001543.2
NCBI GenBank Nucleotide #	NM_001552.2
Molecular Weight	27,934 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 4
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 4
NCBI Official Symbol	IGFBP4
NCBI Official Synonym Symbols	BP-4; IBP4; IGFBP-4; HT29-IGFBP
NCBI Protein Information	insulin-like growth factor-binding protein 4; IBP-4; IGF-binding protein 4
UniProt Protein Name	Insulin-like growth factor-binding protein 4
UniProt Gene Name	IGFBP4
UniProt Synonym Gene Names	IBP4; IBP-4; IGF-binding protein 4; IGFBP-4
UniProt Entry Name	IBP4_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/igfbp4-sheep-elisa-kits/insulin-like-growth-factor-binding-protein-4/90745>