

Sheep Insulin Like Growth Factor Binding Protein 6 ELISA Kit | IGFBP6 elisa kit

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CATALOG #
AAA91877

REACTIVITY
Sheep

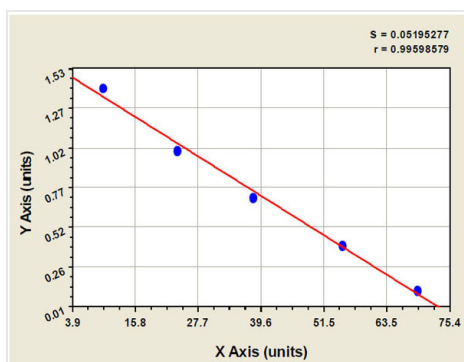
PRODUCT SYNONYMS

Insulin Like Growth Factor Binding Protein 6; Sheep Insulin Like Growth Factor Binding Protein 6 ELISA Kit; IGFBP6 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 IGFBP6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep IGFBP6. 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 IGFBP6 elisa kit

Principle of the assay: IGFBP6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-IGFBP6 antibody and an IGFBP6-HRP conjugate. The assay sample and buffer are incubated together with IGFBP6-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 IGFBP6 concentration since IGFBP6 from samples and IGFBP6-HRP conjugate compete for the anti-IGFBP6 antibody binding site. Since the number of sites is limited, as more sites are occupied by IGFBP6 from the sample, fewer sites are left to bind IGFBP6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The IGFBP6 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for IGFBP6 elisa kit

Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	11321593
NCBI GeneID	3489
NCBI Accession #	NP_002169.1
NCBI GenBank Nucleotide #	NM_002178.2
Molecular Weight	25,322 Da
NCBI Official Full Name	insulin-like growth factor-binding protein 6
NCBI Official Synonym Full Names	insulin-like growth factor binding protein 6
NCBI Official Symbol	IGFBP6
NCBI Official Synonym Symbols	IBP6
NCBI Protein Information	insulin-like growth factor-binding protein 6; IBP-6; IGFBP-6; IGF binding protein 6; IGF-binding protein 6
UniProt Protein Name	Insulin-like growth factor-binding protein 6
UniProt Gene Name	IGFBP6
UniProt Synonym Gene Names	IBP6; IBP-6; IGF-binding protein 6; IGFBP-6
UniProt Entry Name	IBP6_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/igfbp6-sheep-elisa-kits/insulin-like-growth-factor-binding-protein-6/91877>