

Sheep Periostin ELISA Kit | POSTN elisa kit

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CATALOG #
AAA96156

REACTIVITY
Sheep

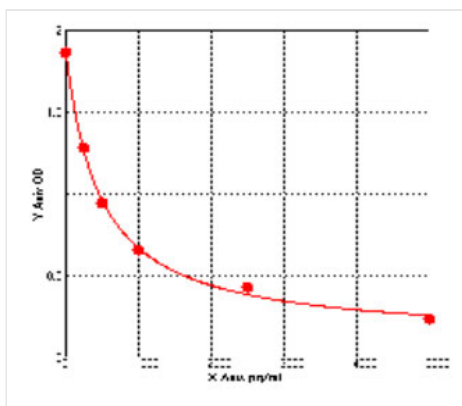
PRODUCT SYNONYMS

Periostin; Sheep Periostin ELISA Kit; POSTN elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of POSTN. No significant cross-reactivity or interference between POSTN and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between POSTN and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI GI #	209862907
NCBI GeneID	10631
NCBI Accession #	NP_006466.2
NCBI GenBank Nucleotide #	NM_006475.2
Molecular Weight	80,357 Da
NCBI Official Full Name	periostin isoform 1
NCBI Official Synonym Full Names	periostin, osteoblast specific factor
NCBI Official Symbol	POSTN
NCBI Official Synonym Symbols	PN; OSF2; OSF-2; PDLPOSTN; periostin
NCBI Protein Information	periostin; periodontal ligament-specific periostin; osteoblast specific factor 2 (fasciclin I-like)
UniProt Protein Name	Periostin
UniProt Gene Name	POSTN
UniProt Synonym Gene Names	OSF2; PN; OSF-2
UniProt Entry Name	POSTN_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.