

Sheep Calcium and integrin-binding protein 1 (CIB1) ELISA Kit | CIB1 elisa kit

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CATALOG #
AAA246683

REACTIVITY
Sheep

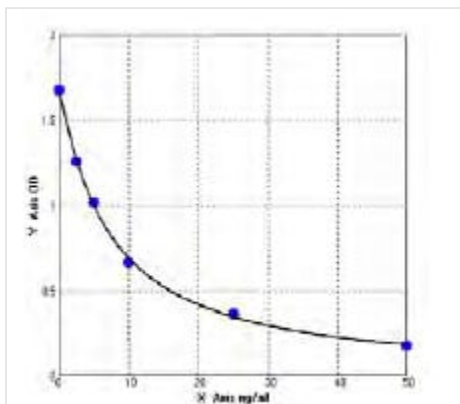
PRODUCT SYNONYMS

Calcium and integrin-binding protein 1 (CIB1); Sheep Calcium and integrin-binding protein 1 (CIB1) ELISA Kit; CIB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Specificity	This assay has high sensitivity and excellent specificity for detection of CIB1. No significant cross-reactivity or interference between CIB1 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CIB1 and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CIB1 elisa kit	Intended Uses: This CIB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CIB1. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: CIB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CIB1 antibody and an CIB1-HRP conjugate. The assay sample and buffer are incubated together with CIB1-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 CIB1 concentration since CIB1 from samples and CIB1-HRP conjugate compete for the anti-CIB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by CIB1 from the sample, fewer sites are left to bind CIB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CIB1 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CIB1 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	134047806
NCBI GeneID	10519
Molecular Weight	26,032 Da
NCBI Official Full Name	Calcium and integrin-binding protein 1
NCBI Official Synonym Full Names	calcium and integrin binding 1 (calmyrin)
NCBI Official Symbol	CIB1
NCBI Official Synonym Symbols	CIB; CIBP; KIP1; PRKDCIP; SIP2-28
NCBI Protein Information	calcium and integrin-binding protein 1; DNA-PK interaction protein; DNA-PKcs-interacting protein; SNK-interacting protein 2-28; DNA-dependent protein kinase interacting protein
UniProt Protein Name	Calcium and integrin-binding protein 1
UniProt Gene Name	CIB1
UniProt Synonym Gene Names	CIB; KIP; PRKDCIP; CIB; CIBP; KIP; SIP2-28
UniProt Entry Name	CIB1_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/sheep-elisa-kits/calcium-and-integrin-binding-protein-1-cib1/246683>