Datasheet for ABIN1889405

CLEC3B ELISA Kit

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Overview

Quantity:	96 tests
Target:	CLEC3B
Binding Specificity:	AA 22-202
Reactivity:	Human
Method Type:	Sandwich ELISA
Detection Range:	312-20.000 pg/mL
Minimum Detection Limit:	312 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich High Sensitivity ELISA kit for Quantitative Detection of Human Tetranectin/CLEC3B
Brand:	PicoKine™
Sample Type:	Cell Culture Supernatant, Serum, Tissue Homogenate
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Immunogen:	Expression system for standard: NSO Immunogen sequence: E22-V202
Specificity:	Expression system for standard: NSO Immunogen sequence: E22-V202
Cross-Reactivity (Details):	There is no detectable cross-reactivity with other relevant proteins.

Product Details

Sensitivity:	<10pg/mL
Material not included:	Microplate reader in standard size. Automated plate washer. Adjustable pipettes and pipette tips. Multichannel pipettes are recommended in the condition of large amount of samples in the detection. Clean tubes and Eppendorf tubes. Washing buffer (neutral PBS or TBS). Preparation of 0.01M TBS: Add 1.2g Tris, 8.5g Nacl

Target Details

Target:	CLEC3B
Alternative Name:	CLEC3B (CLEC3B Products)
Background:	Protein Function: Tetranectin binds to plasminogen and to isolated kringle 4. May be involved in the packaging of molecules destined for exocytosis. Background: Tetranectin, also called TNA, is a protein that in humans is encoded by the CLEC3B gene. It is mapped to 3p21.31. Tetranectin, a tetrameric protein isolated from human plasma, has 4 identical and noncovalently bound polypeptide chains, each of 181 amino acid residues. It has a specific binding affinity for sulfated polysaccharides and the kringle 4 of plasminogen. The plasma concentration of tetranectin is reduced in patients with various malignancies. Tetranectin is a plasminogen-binding protein that is induced during the mineralization phase of osteogenesis. Thus, tetranectin is a candidate gene for human disorders affecting bone and connective tissue. Synonyms: Tetranectin,TN,C-type lectin domain family 3 member B,Plasminogen kringle 4-binding protein,CLEC3B,TNA, Full Gene Name: Tetranectin Cellular Localisation: Secreted.
Gene ID:	7123
UniProt:	P05452

Application Details

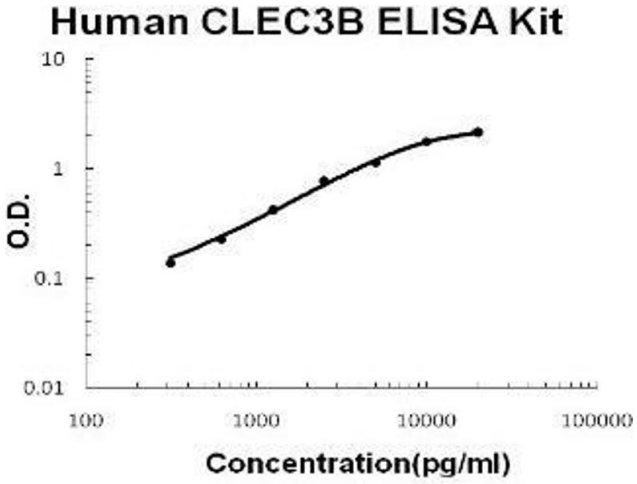
Application Notes:	Before using Kit, spin tubes and bring down all components to bottom of tube. Duplicate well assay was recommended for both standard and sample testing.
Comment:	Sequence similarities: Contains 1 C-type lectin domain. Tissue Specificity: Found in plasma.
Plate:	Pre-coated

Application Details

Protocol:	human Tetranectin ELISA Kit was based on standard sandwich enzyme-linked immune-sorbent assay technology. A monoclonal antibody from mouse specific for Tetranectin has been precoated onto 96-well plates. Standards(NSO, E22-V202) and test samples are added to the wells, a biotinylated detection polyclonal antibody from goat specific for Tetranectin is added subsequently and then followed by washing with PBS or TBS buffer. Avidin-Biotin-Peroxidase Complex was added and unbound conjugates were washed away with PBS or TBS buffer. HRP substrate TMB was used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the human Tetranectin amount of sample captured in plate.
Assay Procedure:	Aliquot 0.1 mL per well of the 20,000pg/mL, 10,000pg/mL, 5000pg/mL, 2500pg/mL, 1250pg/mL, 625pg/mL, 312pg/mL human Tetranectin standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of human cell culture supernates, serum or tissue Homogenates to each empty well. See "Sample Dilution Guideline" above for details. We recommend that each human Tetranectin standard solution and each sample is measured in duplicate.
Assay Precision:	• Sample 1: n=16, Mean(ng/ml): 2.3, Standard deviation: 0.106, CV(%): 4.6 • Sample 2: n=16, Mean(ng/ml): 4.7, Standard deviation: 0.174, CV(%): 3.7 • Sample 3: n=16, Mean(ng/ml): 9.8, Standard deviation: 0.51, CV(%): 5.2, • Sample 1: n=24, Mean(ng/ml): 2.6, Standard deviation: 0.143, CV(%): 5.5 • Sample 2: n=24, Mean(ng/ml): 5, Standard deviation: 0.245, CV(%): 4.9 • Sample 3: n=24, Mean(ng/ml): 10.2, Standard deviation: 0.643, CV(%): 6.3
Restrictions:	For Research Use only

Handling

Handling Advice:	Avoid multiple freeze-thaw cycles.
Storage:	-20 °C,4 °C
Storage Comment:	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles
Expiry Date:	12 months



ELISA

Image 1. Human Tetranectin/CLEC3B PicoKine ELISA Kit standard curve

