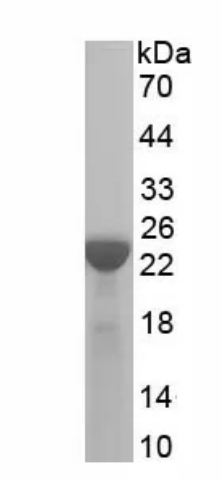
Active C-Type Lectin Domain Family 3, Member B (CLEC3B)

Catalog#:PEH12988

概述（Summary）

别称（Alternative Names）	TN; TNA; Tetranectin; Plasminogen Binding Protein; Plasminogen kringle 4-binding protein
纯度（Purity）	Greater than 90% as determined by reducing SDS-PAGE.
内毒素（Endotoxin level）	Please contact with the lab for this information
蛋白构建（Construction）	【Glu22-Val202】
Accession #	P05452
表达宿主（Host）	E.coli
种属（Species）	Homo sapiens (Human)
预测分子量（Predicted MW）	21.7 kDa
制剂（Form）	Lyophilized from a 0.2 μm filtered solution of PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
运输方式（Shipping）	The product is shipped with ice bag. Upon receipt, store it immediately at the temperature listed below.
稳定性&储存（Stability &Storage）	12 months at -20°C to -80°C in lyophilized state.6 months at -20°C to -80°C under sterile conditions after reconstitution.7-10 days at 2°C to 8°C under sterile conditions after reconstitution.Please minimize freeze-thaw cycles.
复溶（Reconstitution）	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
背景介绍（References）	Tetranectin binds to plasminogen and to isolated kringle 4. May be involved in the packaging of molecules destined for exocytosis.

电泳图（SDS-PAGE image）



Greater than 90% as determined by reducing SDS-PAGE.

活性图（Bioactivity image）

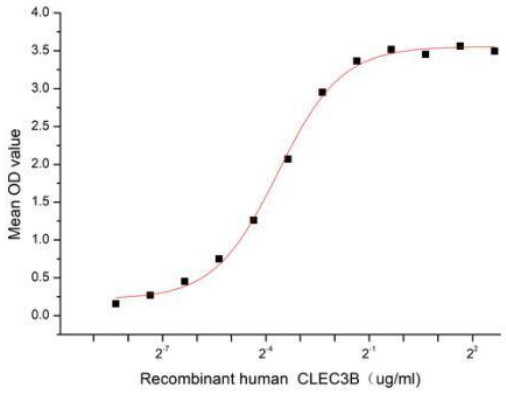


Figure 1. The binding activity of recombinant human CLEC3B and recombinant human SPP2

CLEC3B (C type lectin domain family 3 member B), also known as Tetranectin (TN), is a plasminogen-kringle-4-binding protein that is detected in various endocrine tissues and in epithelial and mesenchymal cells, including fibroblasts, monocytes, and neutrophils. Studies have shown that abnormal CLEC3B expression plays an important role in tumourigenesis and metastasis in gastric adenocarcinoma, breast cancer, cervical cancer, ovarian cancer, carcinoma of the urinary bladder, and melanoma. Besides, Secreted Phosphoprotein 2 (SPP2) has been identified as an interactor of CLEC3B, thus a functional binding ELISA assay was conducted to detect the interaction of recombinant human SPP2 and recombinant human CLEC3B. Briefly, CLEC3B was diluted serially in PBS with 0.01% BSA (pH 7.4). Duplicate samples of 100 µl were then transferred to SPP2-coated microtiter wells and incubated for 1h at 37℃. Wells were washed with PBST and incubated for 1h with anti-CLEC3B pAb, then aspirated and washed 3 times. After incubation with HRP labelled secondary antibody for 1h at 37℃, wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37℃. Finally, add 50 µL stop solution to the wells and read at 450/630 nm immediately. The binding activity of recombinant human CLEC3B and recombinant human SPP2 was shown in Figure 1, the EC50 for this effect is 0.08 ug/mL.

注意事项（Note）

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