

C-Type Lectin Domain Family 3, Member B (CLEC3B) Active Protein | CLEC3B active protein

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

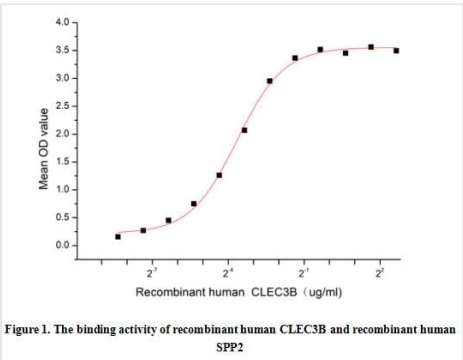
CATALOG # AAA161934	HOST E Coli	APPLICATIONS Activity Assay, Cell Culture
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PRODUCT SYNONYMS

C-Type Lectin Domain Family 3; Member B (CLEC3B); Active C-Type Lectin Domain Family 3; Member B; TN; TNA; Tetranectin; Plasminogen Binding Protein; Plasminogen kringle 4-binding protein4; CLEC3B active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 90% by SDS-PAGE
Form/Format	Freeze-dried powder; PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Sequence	Glu22~Val2 02
Applicable Applications for CLEC3B active protein	Activity Assay, Cell Culture
Species	Human
Expression System	Prokaryotic expression
Tag	N-terminal His Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	5.8
Research Area	CD & Adhesion molecule
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months

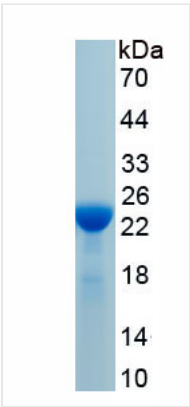


Bioactivity

CLEC3B (Ctype 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 ul were then transferred to SPP2-coated microtiter wells and incubated for 1h at 37 degree C. 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 degree C, wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37 degree C. Finally, add 50 uL 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.

SDS-PAGE

Figure. SDS-PAGE



ADDITIONAL INFORMATION

Product Categories/Family for CLEC3B active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	317373499
NCBI GeneID	7123
UniProt Accession #	P05452; Q6FGX6
Molecular Weight	22,537 Da
NCBI Official Full Name	Tetranectin
NCBI Official Synonym Full Names	C-type lectin domain family 3, member B
NCBI Official Symbol	CLEC3B
NCBI Official Synonym Symbols	TN; TNA
NCBI Protein Information	tetranectin; plasminogen kringle 4-binding protein; tetranectin (plasminogen binding protein); tetranectin (plasminogen-binding protein)
UniProt Protein Name	Tetranectin
UniProt Gene Name	CLEC3B
UniProt Synonym Gene Names	TNA; TN
UniProt Entry Name	TETN_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/e-coli-active-protein/c-type-lectin-domain-family-3-member-b-clec3b/161934>