

Active Recombinant Human CLEC3B protein, His-tagged

Cat. No. CLEC3B-2211H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CLEC3B protein(P05452)(22-202 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	22-202 aa
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Bio-activity	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°C. Wells were washed with PBST and incubated for 1h with anti-CLEC3B pAb, then aspirated and washed 3 times. After incubation with HRP

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

labelled secondary antibody for 1h at 37°C, wells were aspirated and washed 5 times. With the addition of substrate solution, wells were incubated 15-25 minutes at 37°C. Finally, add 50 µ 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, the EC50 for this effect is 0.08 ug/mL.

Molecular Mass	21.7kDa
Endotoxin	<1.0EU per 1µg (determined by the LAL method).
Purity	> 90%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Store at -20°C for 12 months. Aliquot and store at -80°C for 12 months.
Reconstitution	Reconstitute in 10mM PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CLEC3B C-type lectin domain family 3, member B [Homo sapiens]
Official Symbol	CLEC3B
Synonyms	CLEC3B; C-type lectin domain family 3, member B; tetranectin (plasminogen binding protein) , TNA; tetranectin; TN; plasminogen kringle 4-binding protein; tetranectin (plasminogen binding protein); tetranectin (plasminogen-binding protein); TNA; DKFZp686H17246;
Gene ID	7123

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

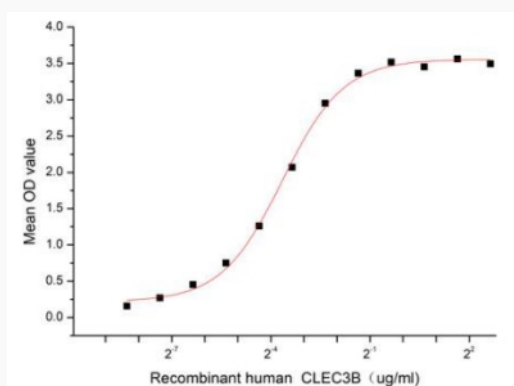
mRNA Refseq [NM_003278](#)

Protein Refseq [NP_003269](#)

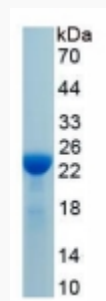
MIM [187520](#)

UniProt ID [P05452](#)

Activity



SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA