

Product datasheet

Recombinant human Nectin 3 protein (Fc Chimera Active) ab221336

4 Images

Description

Product name	Recombinant human Nectin 3 protein (Fc Chimera Active)	
Biological activity	Measured by its binding ability in a functional ELISA. Immobilized Human TIGIT at 1 µg/mL (100 µL/well) can bind ab221336 with a linear range of 0.156-2.5 µg/mL.	
Purity	> 95 % SDS-PAGE.	
Endotoxin level	< 1.000 Eu/ml	
Expression system	HEK 293 cells	
Accession	Q9NQS3	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<p>PI VEPHVTAVW GKNVSLKCLI EVNETITQIS WEKIHGKSSQ TVAVHHPQYG FSVQGEYQGR VLFKNYSLND ATITLHNIGF SDGKYCKA VTFPLGNAQS STTVTVLVEP TVSLIKGPDS LIDGGNETVA AICIAATGKP VAHIDWEGDL GEMESTTTSF PNETATIISQ YKLFPTRFAR GRRITCVVKH PALEKDIRYS FILDIQYAPE VSVTGYDGNW FVGRKGVNLK CNADANPPPF KSVWSRLDGG WPDGLLASDN TLHFVHPLTF NYSGVYICKV TNSLGQRSDQ KVMYSDPPT TTTLQPTIQW HPSTADIEDL ATEPKKLPFP LSTLATIKDD P KSCDKTHTCP PCPAPELLGG PSVFLFPPKP KDTLMISRTP EVTCVVVDVS HEDPEVKFNW YVDGVEVHNA KTKPREEQYN STYRVVSVLT VLHQDWLNGK EYKCKVSNKA LPAPIEKTIS KAKGQPREPQ VYTLPPSRDE LTKNQVSLTC LVKGFYPSDI AVEWESNGQP ENNYKTTTPV LDSDGSFFLY SKLTVDKSRW QQGNVFSCSV MHEALHNHYT QKSLSLSPGK</p>	
Predicted molecular weight	64 kDa including tags	

Amino acids	58 to 400
Tags	Fc tag C-Terminus
Additional sequence information	ab221336 has a Human IgG1 Fc tag at the C-terminus (Uniprot# P01857, aa100-300)

Specifications

Our [Abpromise guarantee](#) covers the use of **ab221336** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Functional Studies
Form	Lyophilized
Additional notes	No activity loss was observed after storage at: In lyophilized state for 1 year (4°C); After reconstitution under sterile conditions for 3 months (-70°C).

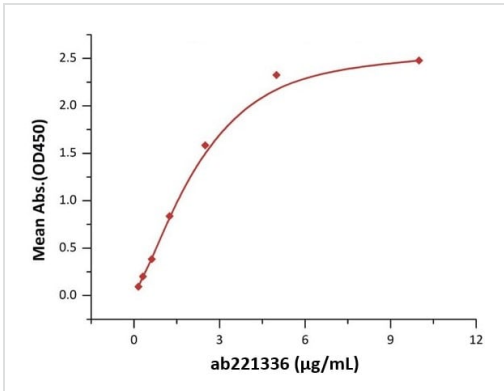
Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.4 Constituents: 0.61% Tris, 0.75% Glycine, 5% Trehalose Lyophilized from 0.22 µm filtered solution This product is an active protein and may elicit a biological response in vivo, handle with caution.
Reconstitution	Reconstitute with sterile deionized water to a concentration of 400 µg/ml.

General Info

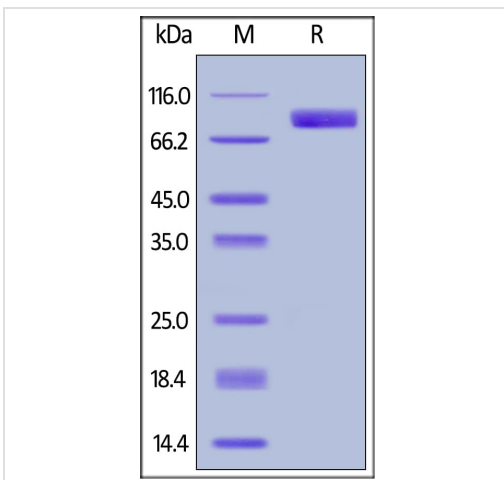
Function	Plays a role in cell-cell adhesion through heterophilic trans-interactions with nectin-like proteins or nectins, such as trans-interaction with PVRL2/nectin-2 at Sertoli-spermatid junctions. Trans-interaction with PVR induces activation of CDC42 and RAC small G proteins through common signaling molecules such as SRC and RAP1. Also involved in the formation of cell-cell junctions, including adherens junctions and synapses. Induces endocytosis-mediated down-regulation of PVR from the cell surface, resulting in reduction of cell movement and proliferation. Plays a role in the morphology of the ciliary body.
Tissue specificity	Predominantly expressed in testis and placenta as well as in many cell lines, including epithelial cell lines.
Sequence similarities	Belongs to the nectin family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Cellular localization	Cell membrane.

Images



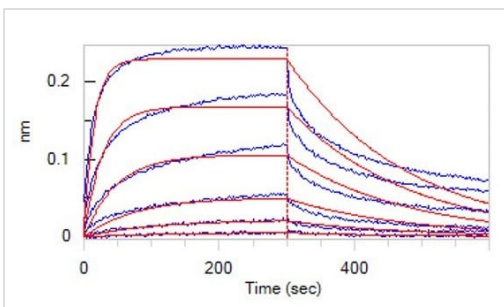
Immobilized Human TIGIT at 1 µg/mL (100 µL/well) can bind ab221336 with a linear range of 0.156-2.5 µg/mL.

Functional Studies - Recombinant human Nectin 3 protein (Fc Chimera Active) (ab221336)



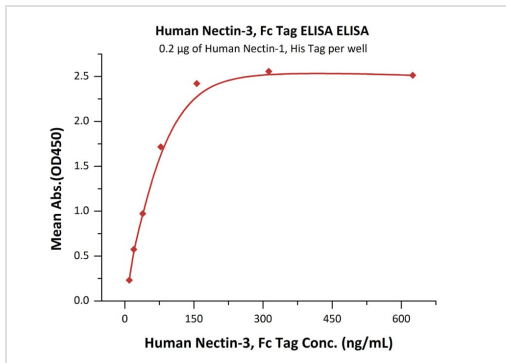
Human Nectin-3, Fc Tag on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%. The protein migrates as 80-95 kDa under reducing conditions due to glycosylation.

SDS-PAGE - Recombinant human Nectin 3 protein (Fc Chimera Active) (ab221336)



Loaded ab221336 on Protein A Biosensor, can bind Human TIGIT with an affinity constant of 0.732 µM as determined in BLI assay (ForteBio Octet Red96e).

Functional Studies - Recombinant human Nectin 3 protein (Fc Chimera Active) (ab221336)



Immobilized Human Nectin-1, His Tag at 2 µg/mL (100 µL/well) can bind ab221336 with a linear range of 5-78 ng/mL.

Functional Studies - Recombinant human Nectin 3 protein (Fc Chimera Active) (ab221336)

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