

## Product datasheet

# Recombinant human CD137 protein (Fc Chimera Active) ab220584

5 Images

### Description

<b>Product name</b>	Recombinant human CD137 protein (Fc Chimera Active)		
<b>Biological activity</b>	<p>Measured by its binding ability in ELISA. Immobilized ab220584 at 0.1 µg/mL (100 µL/well) can bind Recombinant human 4-1BBL protein (Fc Chimera Active) (Biotin) (<a href="#">ab246043</a>) with a linear range of 0.4-13 ng/mL.</p> <p>Measured by its binding ability in FACS. Flow Cytometry assay shows that ab220584 can bind to 293T cells overexpressing Human 4-1BBL. The concentration of 4-1BB used is 0.1 µg/mL.</p> <p>Measured by its binding ability in BLI assay. Loaded ab220584 on Protein A Biosensor, can bind Recombinant human 4-1BBL protein (Fc Chimera Active) (Biotin) (<a href="#">ab246043</a>) with an affinity constant of 1.3 nM.</p>		
<b>Purity</b>	> 95 % SDS-PAGE.		
<b>Endotoxin level</b>	< 1.000 Eu/µg		
<b>Expression system</b>	HEK 293 cells		
<b>Accession</b>	<a href="#">Q07011</a>		
<b>Protein length</b>	Protein fragment		
<b>Animal free</b>	No		
<b>Nature</b>	Recombinant		
<b>Species</b>	Human		
<b>Sequence</b>	LQDPCSNCPAGTFCDNNRNQICSPCPPNSFSSAGGQRT CDICRQCKGVFR TRKECSSTSNAECDCTPGFHCGLGAGCSMCEQDCKQGQ ELTKKGCKDCCFG TFNDQKRGICRPWTNCSLDGKSVLVNGTKERDVVCGPSP ADLSPGASSVT PPAPAREPGHSPQ		
<b>Predicted molecular weight</b>	43 kDa including tags		
<b>Amino acids</b>	24 to 186		
<b>Tags</b>	Fc tag C-Terminus		
<b>Additional sequence information</b>	Extracellular domain fused with a human IgG1 Fc tag (Pro 100 - Lys 330; P01857) at the C-terminus.		

## Specifications

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Our **Abpromise guarantee** covers the use of **ab220584** 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

ELISA

Flow Cytometry

### Form

Lyophilized

### Additional notes

This product is stable after storage at:

-20°C to -70°C for 12 months in lyophilized state;

-70°C for 3 months under sterile conditions after reconstitution.

## Preparation and Storage

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### Stability and Storage

Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.4

Constituents: 0.61% Tris, 0.75% Glycine, 5% Trehalose, L-Arginine, Sodium chloride

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

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### Function

Receptor for TNFSF14/4-1BBL. Possibly active during T cell activation.

### Tissue specificity

Expressed on the surface of activated T-cells.

### Sequence similarities

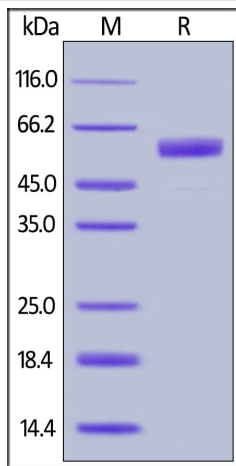
Contains 4 TNFR-Cys repeats.

### Cellular localization

Membrane.

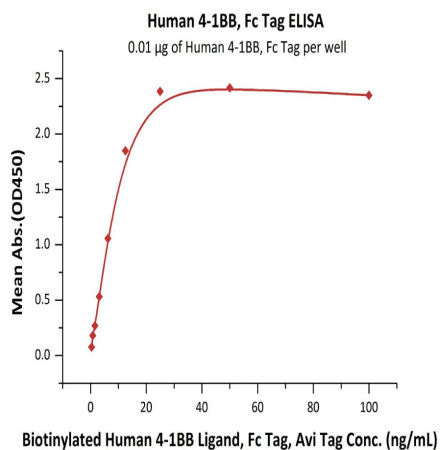
## Images

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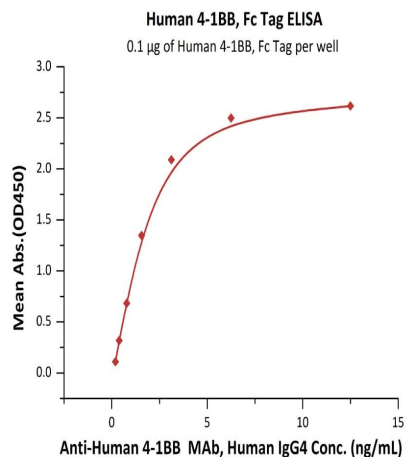
SDS-PAGE - Recombinant Human CD137 protein  
(Fc Chimera) (ab220584)

SDS-PAGE analysis of reduced ab220584 stained overnight with Coomassie Blue. The protein migrates as 55-60 kDa due to glycosylation.



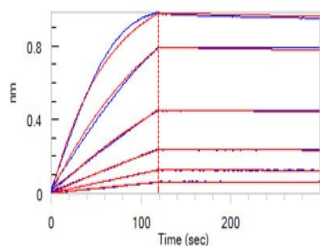
ELISA - Recombinant Human CD137 protein (Fc Chimera) (ab220584)

Immobilized ab220584 at 0.1 µg/mL (100 µL/well) can bind Recombinant human 4-1BBL protein (Fc Chimera Active) (Biotin) ([ab246043](#)) with a linear range of 0.4-13 ng/mL.



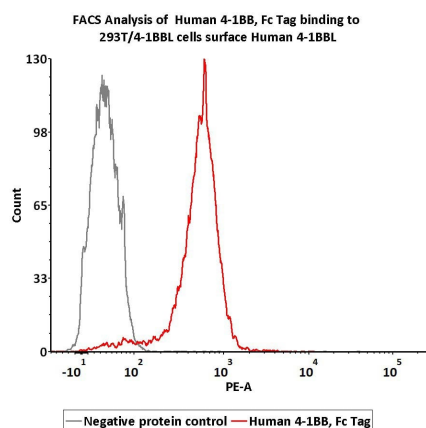
ELISA - Recombinant human CD137 protein (Fc Chimera Active) (ab220584)

Immobilized ab220584 at 1 µg/mL (100 µL/well) can bind Recombinant human 4-1BBL protein (Fc Chimera Active) (Biotin) ([ab246043](#)) with a linear range of 0.2-3 ng/mL.



Loaded ab220584 on Protein A Biosensor, can bind Recombinant human 4-1BBL protein (Fc Chimera Active) (Biotin) (**ab246043**) with an affinity constant of 1.3 nM as determined in BLI assay.

Functional Studies - Recombinant Human CD137 protein (Fc Chimera) (ab220584)



Flow Cytometry assay shows that ab220584 can bind to 293T cells overexpressing Human 4-1BBL. The concentration of 4-1BB used is 0.1 µg/mL.

Flow Cytometry - Recombinant Human CD137 protein (Fc Chimera) (ab220584)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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