

Recombinant human CD40 protein (Fc Chimera Active) ab83917

3 图像

描述	
产品名称	重组人CD40蛋白(Fc Chimera Active)
生物活性	Activity: The ED <sub>50</sub> of ab83917 is typically 1.0-1.5 ug/ml as measured by its ability to neutralize CD40 ligand mediated proliferation of T47-D cells.
纯度	> 95 % SDS-PAGE.
表达系统	HEK 293 cells
Accession	<u>P25942</u>
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	<div>Theoretical Sequence EPPTACREKQYLINSQCCSLCQPGQKLVSDCTEFTETECLPC GESEFLDT WNR ETHCHQHKYCDPNLGLRVQQKGTSETDTICTCEEGWHCTSEA CESCVL HRSC SPGFGVKQIATGVSDTICEPCPVGFFSNVSSAFEKCHPWTSC ETKDLV VQQAG TNKTDVVCGPQDRLRRSSNTKVDDKKVEPKSCDKTHTCPPCPA PELLGG PSVFL FPPKPKDTLMISRTPEVTCVVVDVSHEDPEVKFNWYVDGVEV HNAKTK PREEQ YNSTYRVVSVLTVLHQDWLNGKEYKCKVSNKALPAPIEKTIS KAKGQP REPQVY TLPPSRDELTKNQVSLTCLVKGFYPSDIAVEWESNGQPENNY KTTTPV LDSDG SFFLYSKLTVDKSRWQQGNVFSCSVMHEALHNHYTQKSLSLS PGK</div>
氨基酸	21 to 193
额外的序列信息	Fused with the Fc region of Human IgG1 at the C-terminus.
技术指标	

Our **Abpromise guarantee** covers the use of **ab83917** in the following tested applications.

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

应用	SDS-PAGE
	Western blot
	Functional Studies
形式	Lyophilized

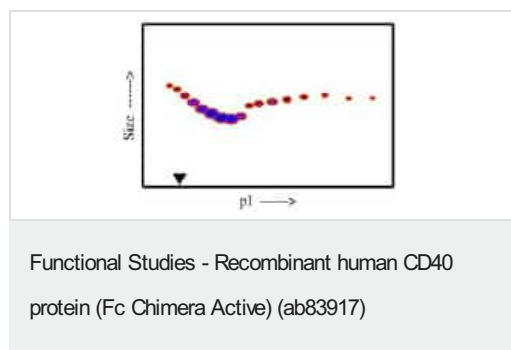
## 制备和贮存

稳定性和存储	Shipped at 4°C. After reconstitution store at -20°C. Avoid freeze / thaw cycles.
	Constituents: PBS, 10% Trehalose, 1% Human serum albumin
	This product is an active protein and may elicit a biological response in vivo, handle with caution.
复溶	It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, with longer-term storage in aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

## 常规信息

功能	Receptor for TNFSF5/CD40LG.
组织特异性	B-cells and in primary carcinomas.
疾病相关	Defects in CD40 are the cause of hyper-IgM immunodeficiency syndrome type 3 (HIGM3) [MIM:606843]; also known as hyper-IgM syndrome 3. HIGM3 is an autosomal recessive disorder which includes an inability of B cells to undergo isotype switching, one of the final differentiation steps in the humoral immune system, an inability to mount an antibody-specific immune response, and a lack of germinal center formation.
序列相似性	Contains 4 TNFR-Cys repeats.
细胞定位	Secreted and Cell membrane.

## 图片



Densitometry of protein isoforms visualised by 2-DE.

The densitometry scan demonstrates the purified human cell expressed protein exists in multiple isoforms, which differ according to their level of post-translational modification.

The triangle indicates the theoretical MW and pI of the protein.



SDS-PAGE - Recombinant human CD40 protein (Fc Chimera Active) (ab83917)

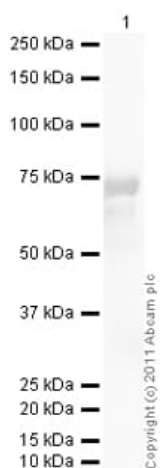
1D SDS-PAGE of ab83917 before and after treatment with glycosidases to remove oligosaccharides.

Lane 1: ab83917

Lane 2: ab83917 treated with PNGase F to remove potential N-linked glycans

Lane 3: ab83917 treated with a glycosidase cocktail to remove potential N- and O-linked glycans.

Approximately 5 µg of protein was loaded per lane; Gel was stained using Coomassie.



Western blot - Recombinant human CD40 protein (Fc Chimera Active) (ab83917)

Anti-CD40 antibody ([ab13545](#)) at 1/1000 dilution + Recombinant human CD40 protein (Fc Chimera Active) (ab83917) at 1 µg

### Secondary

Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

Performed under reducing conditions.

**Observed band size:** 72 kDa

**Exposure time:** 8 minutes

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

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

#### **Terms and conditions**

---

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors