

Recombinant human CD86 protein (Fc Chimera) ab167720

1 References [画像数 7](#)

製品の詳細

製品名	Recombinant human CD86 protein (Fc Chimera)
生理活性	<p>Measured by its ability to induce IL2 secretion by Jurkat Human acute T cell leukemia cells. The ED₅₀ for this effect is typically 0.04 - 0.2 ng/ml.</p> <p>Measured by its binding ability in a functional ELISA. Immobilized Biotinylated Human / Cynomolgus / Rhesus macaque CD28, His,Avitag at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind Human ab167720 with a linear range of 2-78 ng/mL.</p> <p>Measured by its binding ability in a functional ELISA. Immobilized Biotinylated Mouse CD28, His,Avitag at 1 µg/mL (100 µL/well) on Streptavidin precoated (0.5 µg/well) plate, can bind ab167720 with a linear range of 5-78 ng/mL.</p> <p>Measured by its binding ability in a functional ELISA. Immobilized ab167720 at 5 µg/mL (100 µL/well) can bind Biotinylated Human CTLA-4, Fc Tag, Avi Tag with a linear range of 0.6-10 ng/mL.</p>
精製度	> 95 % SDS-PAGE.
エンドトキシン・レベル	< 1.000 Eu/µg
発現系	HEK 293 cells
アクセッション番号	<u>P42081</u>
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
予測される分子量	52 kDa
領域	26 to 247
タグ	Fc tag C-Terminus
配列の追加情報	Protein carries a human IgG1 Fc tag at the C-terminus. Due to glycosylation, the protein migrates as 66-86 kDa under reducing condition, and 120-140 kDa under non-reducing condition (SDS-PAGE).

特性

Our **Abpromise guarantee** covers the use of **ab167720** in the following tested applications.

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

アプリケーション

Functional Studies

SDS-PAGE

ELISA

製品の状態

Lyophilized

前処理および保存

保存方法および安定性

Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.

pH: 7.4

Constituents: 0.75% Glycine, 0.48% Tris, L-Arginine, Sodium chloride

Lyophilized from 0.22 µm filtered solution.

5-10% trehalose is commonly used for freeze drying, and after reconstitution, the trehalose is mostly about 3-5%

This product is an active protein and may elicit a biological response in vivo, handle with caution.

再構成

It is recommended to reconstitute the lyophilized protein with 500 µL sterile deionized water to a stock solution of 400 µg/mL.

関連情報

機能

Receptor involved in the costimulatory signal essential for T-lymphocyte proliferation and interleukin-2 production, by binding CD28 or CTLA-4. May play a critical role in the early events of T-cell activation and costimulation of naive T-cells, such as deciding between immunity and anergy that is made by T-cells within 24 hours after activation. Isoform 2 interferes with the formation of CD86 clusters, and thus acts as a negative regulator of T-cell activation.

組織特異性

Expressed by activated B-lymphocytes and monocytes.

配列類似性

Contains 1 Ig-like C2-type (immunoglobulin-like) domain.

Contains 1 Ig-like V-type (immunoglobulin-like) domain.

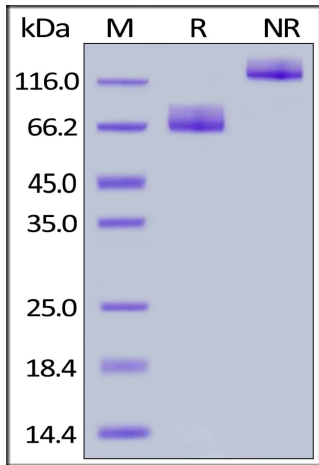
翻訳後修飾

Polyubiquitinated; which is promoted by MARCH8 and results in endocytosis and lysosomal degradation.

細胞内局在

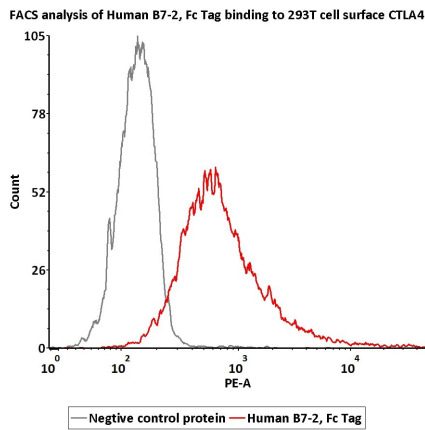
Membrane.

画像



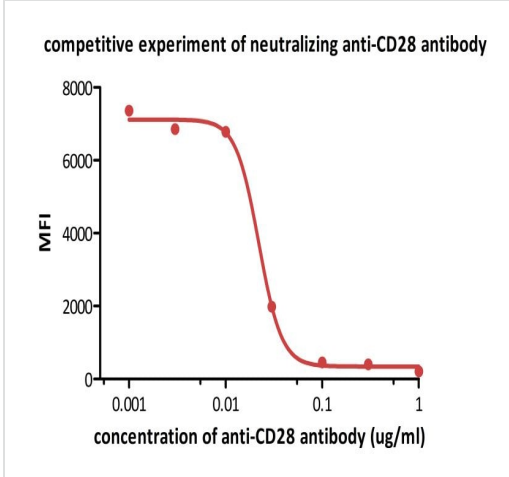
Human B7-2, Fc Tag on SDS-PAGE under reducing (R) and non-reducing (NR) conditions. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%. The protein migrates as 66-86 kDa under reducing (R) condition, and 120-140 kDa under non-reducing (NR) condition (SDS-PAGE).

SDS-PAGE - Recombinant human CD86 protein (ab167720)



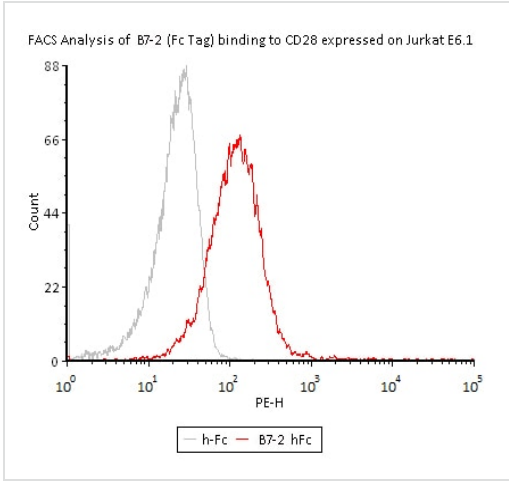
FACS assay shows that Human B7-2, Fc Tag can bind to 293T cells overexpressing human CTLA4 protein. The concentration of Human B7-2 is 3 µg/ml.

Functional Studies - Recombinant human CD86 protein (ab167720)



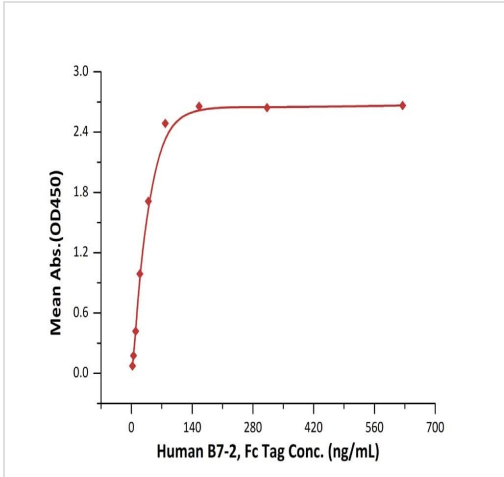
FACS analysis shows that the binding of Human B7-2, Fc Tag to CD28 expressed on Jurkat E6.1 was inhibited by increasing concentration of neutralizing anti-CD28 antibody. The concentration of B7-2 used is 2 µg/ml. The IC50 is 0.022 µg/ml.

Functional Studies - Recombinant human CD86 protein (ab167720)



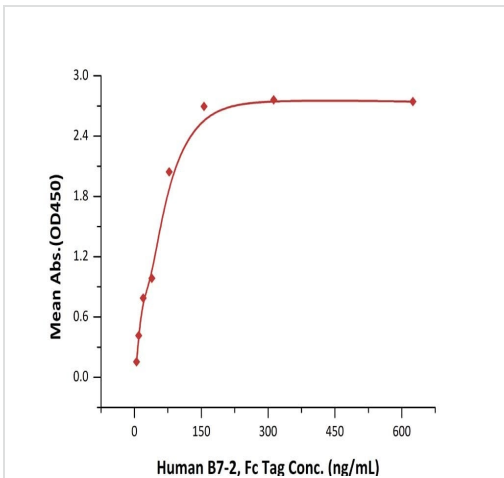
Flow Cytometry assay shows that recombinant Human B7-2, Fc Tag can bind to CD28 expressed on Jurkat E6.1. The concentration of B7-2 used is 2 µg/ml(Routinely tested).

Functional Studies - Recombinant human CD86 protein (ab167720)



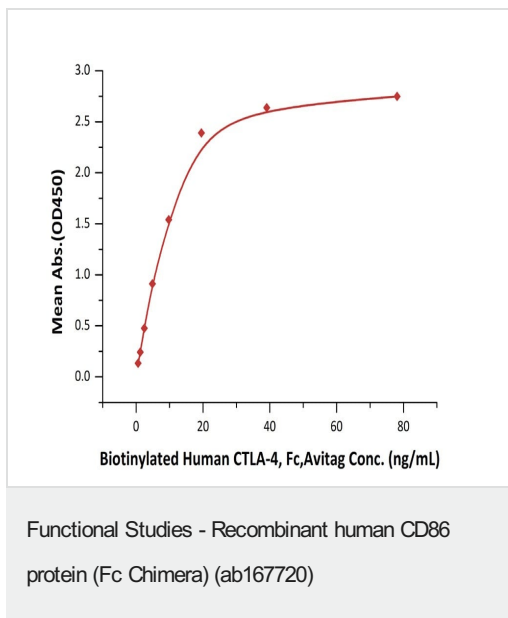
Immobilized Biotinylated Human / Cynomolgus / Rhesus macaque CD28, His,Avitag at 1 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) on Streptavidin precoated (0.5 $\mu\text{g/well}$) plate, can bind Human ab167720 with a linear range of 2-78 ng/mL.

ELISA - Recombinant human CD86 protein (Fc Chimera) (ab167720)



Immobilized Biotinylated Mouse CD28, His,Avitag at 1 $\mu\text{g/mL}$ (100 $\mu\text{L/well}$) on Streptavidin precoated (0.5 $\mu\text{g/well}$) plate, can bind ab167720 with a linear range of 5-78 ng/mL.

ELISA - Recombinant human CD86 protein (Fc Chimera) (ab167720)



Immobilized ab167720 at 5 µg/mL (100 µL/well) can bind Biotinylated Human CTLA-4, Fc Tag, Avi Tag with a linear range of 0.6-10 ng/mL.

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