

Product datasheet

Recombinant human CD28 protein (Active) ab286013

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Description

Product name	Recombinant human CD28 protein (Active)
Biological activity	Human biotinylated CD80, Fc Tag can bind to immobilized human CD28, Fc Tag at 1 µg/mL, 100 µL/well with a linear range of 0.03 – 0.81 µg/mL.
Purity	>= 95 % SDS-PAGE.
Endotoxin level	< 0.200 Eu/µg
Expression system	HEK 293 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	25 kDa
Molecular weight information	66-70 kDa
Tags	Fc tag C-Terminus
Additional sequence information	Source HEK 293 cells

Specifications

Our **Abpromise guarantee** covers the use of **ab286013** 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	This product is manufactured by BioVision, an Abcam company and was previously called 9237 Human CellExp™ CD28, Human Recombinant. 9237-100 is the same size as the 100 µg size of ab286013.

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at -20°C.
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pH: 7.40

Constituents: 95% PBS, 5% Trehalose

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

Reconstitution

Reconstitute in sterile PBS, pH 7.4 to a concentration of 10 µg/ml

General Info

Function

Involved in T-cell activation, the induction of cell proliferation and cytokine production and promotion of T-cell survival.

Tissue specificity

Expressed in T-cells and plasma cells, but not in less mature B-cells.

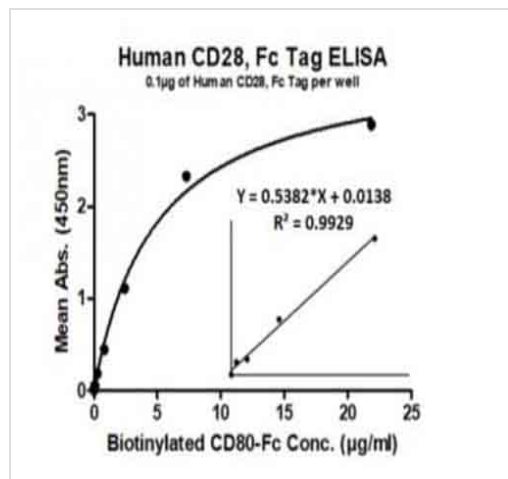
Sequence similarities

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

Cellular localization

Membrane.

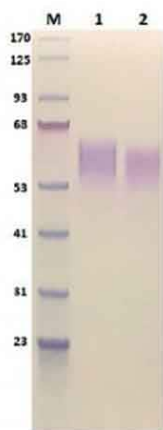
Images



ELISA - Recombinant human CD28 protein (Active)
(ab286013)

CD28 and CD80-Biotin ELISA binding activity:

Human biotinylated CD80, Fc Tag can bind to immobilized human CD28, Fc Tag at 1 µg/mL, 100 ng/well with a linear range of 0.03 – 0.81 µg/mL.



SDS-PAGE - Recombinant human CD28 protein
(Active) (ab286013)

SDS-PAGE (4-20%): Human CD28, Fc-Tag protein was run on SDS PAGE gel under reducing (R) conditions and stained with Coomassie Blue.

Lane M: Protein Marker

Lane 1: Biotinylated Human CD28 Fc Tag (2 µg)

Lane 2: Human CD28 Fc Tag (2 µg).

The proteins migrate to around 55 kDa due to glycosylation.

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

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