

Product datasheet

Recombinant human PD1 protein (Fc Chimera Active) ab215017

Description

Product name	Recombinant human PD1 protein (Fc Chimera Active)
Biological activity	Shows the biological function of the PD1 moiety and exerts a prolonged circulating half-life caused by the modified Fc domain.
Purity	>= 98 % SDS-PAGE.
Endotoxin level	< 0.060 Eu/μg
Expression system	CHO cells
Accession	<u>Q15116</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	LDSPDRPWNPPTFSPALLVVTEGDNATFTCSFSNTSESF VLNWYRMSPSN QTDKLAAFPEDRSQPGQDCRFRVTQLPNGRDFHMSVVR ARRNDSGTYLCG AISLAPKAQIKESLRAELRVTERRAEVPTAHPSPSPRPAG QFQ
Predicted molecular weight	16 kDa
Amino acids	25 to 167
Additional sequence information	Fused to the N-terminus of the Fc region of a mutant human IgG1 (NP_005009.2).

Specifications

Our **Abpromise guarantee** covers the use of **ab215017** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Lyophilized
Additional notes	Non-lytic: Acts as a long lasting fusion protein which only binds to the receptor. Mutations to the

complement (C1q) and FcγR I binding sites of the IgGs Fc fragment render the fusion proteins incapable of antibody directed cytotoxicity (ADCC) and complement directed cytotoxicity (CDC).

Preparation and Storage

Stability and Storage

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

Constituent: 100% PBS

Lyophilised from 0.2µm filtered solution.

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

Reconstitution

Reconstitute at 100 µg/mL in sterile PBS.

General Info

Function

Possible cell death inducer, in association with other factors.

Involvement in disease

Genetic variation in PDCD1 is associated with susceptibility to systemic lupus erythematosus type 2 (SLEB2) [MIM:605218]. Systemic lupus erythematosus is a chronic, inflammatory and often febrile multisystemic disorder of connective tissue. It affects principally the skin, joints, kidneys and serosal membranes. It is thought to represent a failure of the regulatory mechanisms of the autoimmune system.

Sequence similarities

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

Developmental stage

Induced at programmed cell death.

Cellular localization

Membrane.

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.com/abpromise> or contact our technical team.

Terms and conditions

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