abcam

Product datasheet

Recombinant human CD45 protein (Fc Chimera Active) ab214825

製品の詳細

製品名	Recombinant human CD45 protein (Fc Chimera Active)
生理活性	Measured by its binding ability in a functional ELISA assay.
精製度	>= 98 % SDS-PAGE.
エンドトキシン・レベル	< 5.000 Eu/mg
発現系	HEK 293 cells
アクセッション番号	Q6PJK7
タンパク質長	Protein fragment
Animal free	No
由来	Recombinant
生物種	Human
配列	KNAS VSISHNSCTA PDKTLILDVP PGVEKFQLHD CTQVEKADTT ICLKWKNIET FTCDTQNITY RFQCGNMIFD NKEIKLENLE PEHEYKCDSE ILYNNHKFTN ASKIIKTDFG SPGEPQIIFC RSEAAHQGVI TWNPPQRSFH NFTLCYIKET EKDCLNLDKN LIKYDLQNLK PYTKYVLSLH AYIIAKVQRN GSAAMCHFTT KSAPPSQ
予測される分子量	65 kDa including tags
領域	227 to 437
配列の追加情報	Fused to the N-terminus of the Fc region of mouse IgG2a.

特性

Our **Abpromise guarantee** covers the use of **ab214825** 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
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 -20°C long term. Avoid freeze / thaw cycle. Constituent: 100% PBS This product is an active protein and may elicit a biological response in vivo, handle with caution.
再構成	Reconstitute with 50 µL sterile water. Add 1X PBS to the desired protein concentration. Working aliquots are stable for up to 3 months when stored at -20°C.

関連情報

機能	Protein tyrosine-protein phosphatase required for T-cell activation through the antigen receptor. Acts as a positive regulator of T-cell coactivation upon binding to DPP4. The first PTPase domain has enzymatic activity, while the second one seems to affect the substrate specificity of the first one. Upon T-cell activation, recruits and dephosphorylates SKAP1 and FYN.
関連疾患	Defects in PTPRC are a cause of severe combined immunodeficiency autosomal recessive T-cell-negative/B-cell-positive/NK-cell-positive (T(-)B(+)NK(+) SCID) [MIM:608971]. A form of severe combined immunodeficiency (SCID), a genetically and clinically heterogeneous group of rare congenital disorders characterized by impairment of both humoral and cell-mediated immunity, leukopenia, and low or absent antibody levels. Patients present in infancy recurrent, persistent infections by opportunistic organisms. The common characteristic of all types of SCID is absence of T-cell-mediated cellular immunity due to a defect in T-cell development. Genetic variations in PTPRC are involved in multiple sclerosis susceptibility (MS) [MIM:126200]. MS is a neurodegenerative disorder characterized by the gradual accumulation of focal plaques of demyelination particularly in the periventricular areas of the brain. Peripheral nerves are not affected. Onset usually in third or fourth decade with intermittent progression over an extended period. The cause is still uncertain.
配列類似性	Belongs to the protein-tyrosine phosphatase family. Receptor class 1/6 subfamily. Contains 2 fibronectin type-III domains. Contains 2 tyrosine-protein phosphatase domains.
ドメイン	The first PTPase domain interacts with SKAP1.
翻訳後修飾	Heavily N- and O-glycosylated.
細胞内局在	Membrane. Membrane raft. Colocalized with DPP4 in membrane rafts.

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