antibodies

Datasheet for ABIN7318342 CRTAM Protein (His tag)



Overview

Quantity:	50 µg
Target:	CRTAM
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This CRTAM protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human CRTAM /CD355 Protein (His Tag)(Active)
Sequence:	Ser18-Ser286
Characteristics:	Recombinant Human Cytotoxic and Regulatory T-Cell Molecule is produced by our Mammalian expression system and the target gene encoding Ser18-Ser286 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per μ g as determined by the LAL method.
Biological Activity Comment:	Immobilized Mouse CADM1-Fc(Cat: PKSM041213) at 2µg/ml(100 µl/well) can bind Human CRTAM-His. The ED50 of Human CRTAM-His is 4.905 ug/ml .

Target Details

Target:	CRTAM	
	Order at www.antibodies-online.com www.antikoerper-online.de www.anticorps-enligne.fr www.antibodies-online.cn International: +49 (0)241 95 163 153 USA & Canada: +1 877 302 8632 support@antibodies-online.com Page 1/2 Product datasheet for ABIN7318342 09/09/2023 Copyright antibodies-online. All rights reserved	

Target Details	
Alternative Name:	CRTAM /CD355 (CRTAM Products)
Background:	Background: Cytotoxic and Regulatory T-Cell Molecule (CRTAM) is a member of Nectin family
	under the immunoglobulin superfamily that is expressed by activated CD8+ and NK T cells.
	CRTAM is found in spleen, thymus, small intestine, peripheral blood, and it is highly expressed
	by Purkinje cells of the cerebellum. CRTAM is a type I transmembrane glycoprotein containing
	one Ig-like C2-type domain and one Ig-like V-type domain in its extracellular domain, while its
	cytoplasmic region shows a potential class I PDZ domain. CRTAM is expressed as a
	homodimer on the cell surface but does not show homotypic binding in trans. The high affinity
	of CRTAM/IGSF4 adhesion allows CRTAM to disrupt IGSF4 homotypic interactions. IGSF4 and
	T cell receptor coengagement of CD8+ cells expressiong CRTAM induces increased IFN γ or IL-
	22 production.
	Synonym: Cytotoxic and Regulatory T-Cell Molecule, Class-I MHC-Restricted T-Cell-Associated
	Molecule, CD355, CRTAM
Molecular Weight:	31.0 kDa
UniProt:	095727
Pathways:	Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process,
	Activated T Cell Proliferation
Application Details	

Restrictions: For Research Use only Handling

_yophilized
Please refer to the printed manual for detailed information.
_yophilized from a 0.2 μ m filtered solution of 20 mM PB, 150 mM NaCl, pH 7.2.
4 °C,-20 °C,-80 °C
Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/2 | Product datasheet for ABIN7318342 | 09/09/2023 | Copyright antibodies-online. All rights reserved.