Datasheet for ABIN7121389

CD137 Protein (Fc Tag)

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Overview

Quantity:	100 µg
Target:	CD137 (TNFRSF9)
Origin:	Dog
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD137 protein is labelled with Fc Tag.

Product Details

Purpose:	Canine 4-1BB / TNFRSF9 Protein, Fc Tag (MALS verified)
Sequence:	Ile 24 - Ser 185
Characteristics:	Canine 4-1BB Protein, Fc Tag (41B-C5253) is expressed from human 293 cells (HEK293). It contains AA Ile 24 - Ser 185 (Accession # XP_850336.1).
Purity:	>95 % as determined by SDS-PAGE.
Endotoxin Level:	Less than 1.0 EU per µg by the LAL method.
Grade:	MALS verified

Target Details

Target:	CD137 (TNFRSF9)
Alternative Name:	4-1BB / TNFRSF9 (TNFRSF9 Products)
Background:	Synonyms: TNFRSF9,4-1BB,CD137,CDw137,ILA,

Target Details

	Description: 4-1BB is also known as CD137, tumor necrosis factor receptor superfamily member 9 (TNFRSF9), induced by lymphocyte activation (ILA), is a co-stimulatory molecule of the tumor necrosis factor (TNF) receptor superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. In addition, CD137 expression is found on dendritic cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation. The best characterized activity of CD137 is its costimulatory activity for activated T cells. Crosslinking of CD137 enhances T cell proliferation, IL-2 secretion survival and cytolytic activity. Further, it can enhance immune activity to eliminate tumors in mice. CD137 can enhance activation-induced T cell apoptosis when triggered by engagement of the TCR/CD3 complex. In addition, 4-1BB/4-1BBL co-stimulatory pathway has been shown to augment secondary CTL responses to several viruses, and meanwhile augment anti-tumor immunity. 4-1BB thus is a promising candidate for immunotherapy of human cancer. CD137 has been shown to interact with TRAF2.
Molecular Weight:	43.4 kDa
NCBI Accession:	XP_850336
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	This protein carries a human IgG1 Fc tag at the C-terminus. The protein has a calculated MW of 43.4 kDa. The protein migrates as 55-65 kDa under reducing (R) condition due to glycosylation.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Buffer:	50 mM Tris, 100 mM Glycine, 25 mM Arginine, 150 mM NaCl, pH 7.5
Storage:	-20 °C
Storage Comment:	-20°C