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Datasheet for ABIN6719707 CD137 ELISA Kit

Overview

Quantity:	1 kit
Target:	CD137 (TNFRSF9)
Reactivity:	Mouse
Method Type:	Sandwich ELISA
Detection Range:	31.2 pg/mL - 2000 pg/mL
Minimum Detection Limit:	31.2 pg/mL
Application:	ELISA

Product Details

Purpose:	Sandwich ELISA for Quantitative Detection of Antigen
Sample Type:	Cell Culture Supernatant, Plasma (EDTA - heparin), Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Characteristics:	<p>Synonyms: 4-1BB, 4-1BB ligand receptor, CD137, CD137 antigen, CDw137, Homolog of mouse 4 1BB, ILA, Induced by lymphocyte activation (ILA), Interleukin activated receptor homolog of mouse Ly63, Receptor protein 4 1BB, T-cell antigen 4-1BB homolog, T-cell antigen ILA, TNFRSF9, TNFR9_HUMAN, Tumor necrosis factor receptor superfamily member 9</p> <p>Background: CD137 is a member of the tumor necrosis factor(TNF) receptor family. Its alternative names are tumor necrosis factor receptor superfamily member 9(TNFRSF9), 4-1BB and induced by lymphocyte activation(ILA). CD137 gene was localized to chromosome 1p36.Members of this receptor family and their structurally related ligands are important</p>

Product Details

regulators of a wide variety of physiological processes and play an especially important role in the regulation of immune responses. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. 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.

Gene Name: TNFRSF9

Production: Natural and recombinant mouse TNFRSF9. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: V24-L187

Target Details

Target:	CD137 (TNFRSF9)
Alternative Name:	TNFRSF9 - 4-1BB (TNFRSF9 Products)
Gene ID:	21942
NCBI Accession:	NP_001070977
UniProt:	P20334
Pathways:	Cancer Immune Checkpoints

Application Details

Application Notes:	<p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 2000pg/mL, 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL mouse TNFRSF9 standard solutions into the precoated 96-well plate. Add 0.1 mL of the sample diluent buffer into the control well (Zero well). Add 0.1 mL of each properly diluted sample of mouse cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each mouse TNFRSF9 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 31.2pg/mL-2000pg/mL</p>
Sample Volume:	100 µL
Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	RT, 4 °C, -20 °C
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Storage Comment:	Store vials at 4°C prior to opening. Centrifuge product if not completely clear after standing at room temperature. This product is stable for 6 months at 4°C as an undiluted liquid. Dilute only prior to immediate use. For extended storage freeze at -20°C or below for 12 months. Avoid cycles of freezing and thawing.
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