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Datasheet for ABIN6720189

CD70 ELISA Kit

Overview

Quantity:	1 kit
Target:	CD70
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: CD 27L, CD 70, CD27 L, CD27 LG, CD27 ligand, CD27-L, CD27L, CD27LG, CD70, CD70 antigen, CD70 Molecule, CD70_HUMAN, Ki 24 antigen, Ki24 antigen, Surface antigen</p> <p>CD70, TNFSF 7, TNFSF7, Tumor necrosis factor (ligand) superfamily member 7, Tumor necrosis factor ligand superfamily member</p> <p>Background: CD70(Cluster of Differentiation 70), also known as TNFSF7 or CD27L, is a ligand for CD27. This gene is mapped to 19p13.3. CD70 is a surface antigen found on activated, but not resting, T and B lymphocytes. It has been found that CD70 induced proliferation of costimulated T cells and enhanced generation of cytolytic T cells. CD70 is homologous to the</p>

Product Details

ligands of the TNF receptor family, including TNF-alpha, TNF-beta, and the CD40 ligand, showing 19 to 24 % amino acid sequence identity in the extracellular region.

Gene Name: CD70

Production: Natural and recombinant mouse CD70. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: S45-P195

Target Details

Target: CD70

Alternative Name: CD70 - TNFSF7 - cd27L ([CD70 Products](#))

Gene ID: 21948

NCBI Accession: [NP_035747](#)

UniProt: [O55237](#)

Pathways: [Cancer Immune Checkpoints](#)

Application Details

Application Notes: 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 CD70 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 CD70 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 31.2pg/mL-2000pg/mL

Sample Volume: 100 µL

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: RT, 4 °C, -20 °C

Handling

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.