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Datasheet for ABIN6720273
TWEAK ELISA Kit

Overview

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| Quantity: | 1 kit |
| Target: | TWEAK (TNFSF12) |
| Reactivity: | Rat |
| Method Type: | Sandwich ELISA |
| Detection Range: | 15.6 pg/mL - 1000 pg/mL |
| Minimum Detection Limit: | 15.6 pg/mL |
| Application: | ELISA |

Product Details

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| 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: APO 3 ligand, APO 3L, APO3 ligand, APO3/DR3 ligand, APO3L, CD255, DR3LG, MGC129581, MGC20669, TNF related weak inducer of apoptosis, TNF-related weak inducer of apoptosis, TNF12_HUMAN, TNFRS12a, TNFSF 12, TNFSF12, TNFSF12 protein, Tumor necrosis factor (ligand) superfamily member 12, Tumor necrosis factor ligand superfamily member 12, Tumor necrosis factor superfamily member 12, TWEAK, UNQ181/PRO207</p> <p>Background: Tumor necrosis factor ligand superfamily member 12 also known as TNF-related weak inducer of apoptosis(TWEAK) is a protein that in humans is encoded by the TNFSF12 gene. The protein encoded by this gene is a cytokine that belongs to the tumor necrosis</p> |

Product Details

factor(TNF) ligand family. This protein is a ligand for the FN14/TWEAKR receptor. This cytokine has overlapping signaling functions with TNF, but displays a much wider tissue distribution. This cytokine can induce apoptosis via multiple pathways of cell death in a cell type-specific manner. This cytokine is also found to promote proliferation and migration of endothelial cells, and thus acts as a regulator of angiogenesis. The TNFSF12 gene lies 878 bp upstream of the putative transcriptional start site of the TNFSF13 gene on chromosome 17p13.1.

Gene Name: TNFSF12

Production: Natural and recombinant rat TNFSF12. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: E.coli, Immunogen sequence: S94-H249

Target Details

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| Target: | TWEAK (TNFSF12) |
| Alternative Name: | TNFSF12 - TWEAK (TNFSF12 Products) |
| Gene ID: | 360548 |
| NCBI Accession: | NP_001001513 |
| UniProt: | Q6AYC1 |
| Pathways: | Apoptosis |

Application Details

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| Application Notes: | <p>Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL, 31.2pg/mL, 15.6pg/mL rat TNFSF12 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 rat cell culture supernates, serum or plasma(heparin, EDTA) to each empty well. It is recommended that each rat TNFSF12 standard solution and each sample be measured in duplicate.</p> <p>Blood Product Anticoagulant: Heparin Sodium</p> <p>ELISA Dilution: 15.6pg/mL-1000pg/mL</p> |
| Sample Volume: | 100 µL |
| Plate: | Pre-coated |
| Restrictions: | For Research Use only |

Handling

Storage: RT, 4 °C, -20 °C

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.