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Datasheet for ABIN6719960 HVEM ELISA Kit

Overview

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| Quantity: | 1 kit |
| Target: | HVEM (TNFRSF14) |
| Reactivity: | Mouse |
| 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 |

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| Characteristics: | <p>Synonyms: CD270, Herpes virus entry mediator A, Herpesvirus entry mediator A, HveA, TNFRSF14, TNFR14_HUMAN, TR2, Tumor necrosis factor receptor superfamily member 14, Tumor necrosis factor receptor-like 3</p> <p>Background: Tumor necrosis factor receptor superfamily member 14(TNFRSF14), also known as HVEM, is a protein that in humans is encoded by the TNFRSF14 gene. The protein encoded by this gene is a member of the TNF-receptor superfamily. It is mapped to 1p36.32. HVEM plays an important role in HSV pathogenesis because it enhanced the entry of several wildtype HSV strains of both serotypes into CHO cells, and mediated HSV entry into activated human T</p> |
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Product Details

cells. HVEM and BTLA which are form a bidirectional signaling pathway can regulate cell survival and inhibitory responses between interacting cells. HVEM as an important orchestrator of mucosal immunity integrates signals from innate lymphocytes to induce optimal epithelial Stat3 activation, which indicated that targeting HVEM with agonists could improve host defense.

Gene Name: TNFRSF14

Production: Natural and recombinant mouse TNFRSF14. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: CHO, Immunogen sequence: Q29-V207

Target Details

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| Target: | HVEM (TNFRSF14) |
| Alternative Name: | TNFRSF14 - HVEM (TNFRSF14 Products) |
| Target Type: | Viral Protein |
| Gene ID: | 230979 |
| NCBI Accession: | NP_849262 |
| UniProt: | Q80WM9 |
| Pathways: | Production of Molecular Mediator of Immune Response, Cancer Immune Checkpoints |

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 mouse TNFRSF14 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 TNFRSF14 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

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| 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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