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Datasheet for ABIN6720244
CD48 ELISA Kit

Overview

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|--------------------------|-------------------------|
| Quantity: | 1 kit |
| Target: | CD48 |
| Reactivity: | Mouse |
| Method Type: | Sandwich ELISA |
| Detection Range: | 62.5 pg/mL - 4000 pg/mL |
| Minimum Detection Limit: | 62.5 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: Antigen CD48, B cell membrane protein, B lymphocyte activation marker BLAST 1, B lymphocyte activation marker BLAST 1, B-cell activation marker, B-lymphocyte activation marker BLAST-1, BCM 1 surface antigen, BCM1, BCM1 surface antigen, BLAST, BLAST1, CD48 antigen (B cell membrane protein), CD48 antigen, CD48 Molecule, CD48 protein, CD48_HUMAN, hCD48, Leucocyte antigen MEM 102 mCD48, MEM102, Signaling lymphocytic activation molecule 2, SLAM family member 2, SLAMF 2, SLAMF2</p> <p>Background: CD48 antigen(Cluster of Differentiation 48), also known as BLAST-1 or SLAMF2, is a protein that in humans is encoded by the CD48 gene. CD48 is a member of the CD2 subfamily</p> |

Product Details

of the immunoglobulin superfamily(IgSF) which includes SLAM(signaling lymphocyte activation molecules) proteins, such as CD84, CD150, CD229 and CD244. It is mapped to 1q23.3. CD48 is found on the surface of lymphocytes and other immune cells, dendritic cells and endothelial cells, and participates in activation and differentiation pathways in these cells. The encoded protein does not have a transmembrane domain, however, but is held at the cell surface by a GPI anchor via a C-terminal domain which maybe cleaved to yield a soluble form of the receptor.

Gene Name: CD48

Production: Natural and recombinant mouse CD48. There is no detectable cross-reactivity with other relevant proteins.

Standard: Expression system for standard: NSO, Immunogen sequence: F23-S217

Target Details

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|-------------------|--|
| Target: | CD48 |
| Alternative Name: | CD48 (CD48 Products) |
| Gene ID: | 12506 |
| NCBI Accession: | NP_031675 |
| UniProt: | P18181 |

Application Details

Application Notes: Application Note: Useful in Sandwich ELISA for Quantitative Detection of Antigen. Aliquot 0.1 mL per well of the 4000pg/mL, 2000pg/mL,1000pg/mL, 500pg/mL, 250pg/mL, 125pg/mL, 62.5pg/mL mouse CD48 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 CD48 standard solution and each sample be measured in duplicate.

Blood Product Anticoagulant: Heparin Sodium

ELISA Dilution: 62.5pg/mL-4000pg/mL

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|----------------|-----------------------|
| 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.