# Mouse Dickkopf-related protein 1(DKK1) ELISA kit

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| **Product Code** | CSB-EL006920MO |
| **Abbreviation** | DKK1 |
| **Protein Biological Process 1** | Cardiovascular |
| **Target Name** | dickkopf homolog 1 (Xenopus laevis) |
| **Uniprot No.** | O54908 |
| **Alias** | DKK-1, SK, dickkopf homolog 1\|dickkopf related protein-1\|dickkopf-1 like |
| **Product Type** | ELISA Kit |
| **Immunogen Species** | Mus musculus (Mouse) |
| **Protein Biological Process 3** | Wnt signaling pathway |
| **Sample Types** | serum, plasma, tissue homogenates |
| **Detection Range** | 78.125 pg/mL-5000 pg/mL |
| **Sensitivity** | 13.127 pg/mL |
| **Assay Time** | 1-5h |
| **Sample Volume** | 50-100ul |
| **Detection Wavelength** | 450 nm |
| **Lead Time** | 3-5 working days after you place the order, and it takes another 3-5 days for delivery via DHL or FedEx. |
| **Research Area** | Cardiovascular |
| **Gene Names** | Dkk1 |
| **Tag Info** | quantitative |
| **Protein Description** | Sandwich |

**Description**

This mouse DKK1 ELISA kit employs the quantitative sandwich enzyme immunoassay technique to measure the levels of mouse DKK1 in serum, plasma, or tissue homogenates. It also uses the enzyme-substrate chromogenic reaction to visualize and analyze the analyte levels through the color intensity. The intensity of the colored product is in direct proportion to the DKK1 levels in the sample and is measured at 450 nm through a microplate reader.

DKK1 is an inhibitor of the Wnt signaling pathway. DKK1 is known for its role in head induction during development. DKK1 is essential for the formation of anterior structures and morphogenesis of the limbs in the developing embryo but is also expressed in the adult where it regulates the formation, regeneration, and repair of several tissues. DKK1 has been demonstrated to promote angiogenesis during tumorigenesis and inflammation. Deregulation of DKK1

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| | expression is linked to metastasis of various cancers, with increased levels of DKK1 correlating with a poor prognosis in multiple myeloma, prostate cancer, and hepatocellular carcinoma. |
| **Target Details** | This gene encodes a protein that is a member of the dickkopf family. It is a secreted protein with two cysteine rich regions and is involved in embryonic development through its inhibition of the WNT signaling pathway. Elevated levels of DKK1 in bone marrow plasma and peripheral blood is associated with the presence of osteolytic bone lesions in patients with multiple myeloma. |
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