

Human Cytokine SCM-1 beta (XCL2) ELISA Kit

Catalog No: #EK5817



Package Size: #EK5817-1 48T #EK5817-2 96T

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Description

Product Name	Human Cytokine SCM-1 beta (XCL2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Other Names	SCM-1b; SCM1B; SCYC2; small inducible cytokine subfamily C; member 2
Accession No.	Q9UBD3
Uniprot	Q9UBD3
GeneID	6846;
Storage	<p>The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition.</p> <p>The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).</p>

Application Details

Detect Range:0.156-10 ng/mL

Sensitivity:0.058 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay employs a two-site sandwich ELISA to quantitate XCL2 in samples. An antibody specific for XCL2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyXCL2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for XCL2 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of XCL2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Chemokine (C motif) ligand 2 (XCL2) is a small cytokine belonging to the XC chemokine family that is highly related to another chemokine called XCL1.It is predominantly expressed in activated T cells, but can also be found at low levels in unstimulated cells. XCL2 induces chemotaxis of cells expressing the chemokine receptor XCR1.

Chemokines are a group of small (approximately 8 to 14 kD), mostly basic, structurally related molecules that regulate cell trafficking of various types of leukocytes through interactions with a subset of 7-transmembrane G protein-coupled receptors. Chemokines also play fundamental roles in the development, homeostasis, and function of the immune system, and they have effects on cells of the central nervous system as well as on endothelial cells involved in angiogenesis or angiostasis.

Note: This product is for in vitro research use only