

Mouse Leukocyte cell-derived chemotaxin-2 (LECT2) ELISA Kit



Catalog No: #EK10124

Orders: order@signalwayantibody.com

Package Size: #EK10124-1 48T #EK10124-2 96T

Support: tech@signalwayantibody.com

Description

Product Name	Mouse Leukocyte cell-derived chemotaxin-2 (LECT2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Mouse (<i>Mus musculus</i>)
Other Names	MGC126628; chm-II; chm2; chondromodulin-II
Accession No.	O88803
Uniprot	O88803
GeneID	16841;
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:78.1-5000 pg/mL

Sensitivity:32 pg/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 LECT2 in samples. An antibody specific for LECT2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and anyLECT2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for LECT2 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 LECT2 bound in the initial step. The color development is stopped and the intensity of the color is measured.**Product Overview:**Leukocyte cell-derived chemotaxin-2 is a secreted, 16 kDa protein that acts as a chemotactic factor to neutrophils and stimulates the growth of chondrocytes and osteoblasts. This protein has high sequence similarity to the chondromodulin repeat regions of the chicken myb-induced myeloid 1 protein. A polymorphism in this gene may be associated with rheumatoid arthritis. Neutrophils migrate in response to increasing concentrations of chemotactic factors released from inflammatory sites. From the culture fluid of a human T-cell leukemia cell line (SKW-3), Yamagoe et al. (1996) isolated a 16-kD secreted protein with neutrophil chemotactic activity and designated it LECT2. They purified the protein and determined the amino acid sequence.

Note: This product is for in vitro research use only