

Human Leukocyte cell-derived chemotaxin-2 ELISA Kit | LECT2 elisa kit

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CATALOG #
AAA17692

REACTIVITY
Human

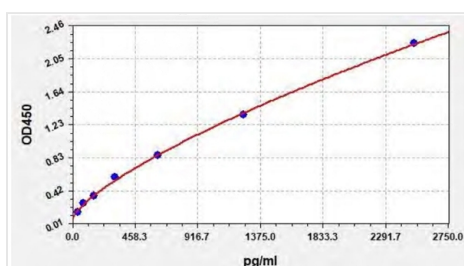
PRODUCT SYNONYMS

Leukocyte cell-derived chemotaxin-2; Human Leukocyte cell-derived chemotaxin-2 ELISA Kit; LECT2 (Leukocyte cell-derived chemotaxin-2)/Chondromodulin II/MIM1/chm2/chm-II/hLECT2/LECT-2/leukocyte cell-derived chemotaxin 2; LECT2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Specifically recognize LECT2, no obvious cross reaction with other analogues
Sequence Length	151
Assay Type	Sandwich
Samples	Serum, plasma, cell culture supernatant and other biological samples
Detection Range	39.063-2500pg/ml
Sensitivity	23.438pg/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for LECT2 elisa kit	Background: Leukocyte cell-derived chemotaxin 2 (LECT2) is a secreted protein with a neutrophil chemotactic activity. LECT2 is highly expressed in liver and shows diffuse immunostaining within the cytoplasm of hepatocytes. LECT2 has a multifunctional role that extends from cell growth, differentiation, damage/repair process and carcinogenesis to autoimmune diseases. LECT2 expression is specifically induced in liver by beta-catenin signaling. Serum LECT2 levels have been shown to increase in response to liver recovery, suggesting LECT2 may be used as a prognostic indicator. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti LECT2 antibody was pre-coated onto the 96-well plate. The biotin conjugated anti LECT2 antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with LECT2 conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of LECT2 in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	59806345
NCBI GeneID	3950
NCBI Accession #	NP_002293.2
NCBI GenBank Nucleotide #	NM_002302.2
Molecular Weight	16,390 Da
NCBI Official Full Name	leukocyte cell-derived chemotaxin-2
NCBI Official Synonym Full Names	leukocyte cell derived chemotaxin 2
NCBI Official Symbol	LECT2
NCBI Official Synonym Symbols	chm2; chm-II
NCBI Protein Information	leukocyte cell-derived chemotaxin-2
UniProt Protein Name	Leukocyte cell-derived chemotaxin-2
UniProt Gene Name	LECT2
UniProt Synonym Gene Names	LECT-2; hLECT2
UniProt Entry Name	LECT2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/lect2-human-elisa-kits/leukocyte-cell-derived-chemotaxin-2/17692>