# CXC-Chemokine Ligand 10 (CXCL10) ELISA Kit for Mouse

## PRODUCT OVERVIEW

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| **Product Name** | CXC-Chemokine Ligand 10 (CXCL10), ELISA Kit |
| **Full Product Name** | Mouse CXC-Chemokine Ligand 10 ELISA Kit |
| **Product Gene Name** | CXCL10 elisa kit |
| **Species Reactivity** | Mouse |
| **Assay Type** | Sandwich |
| **Preparation and Storage** | Store all reagents at 2-8 degree C |
| **Molecular Weight** | 27,579 Da |
| **OMIM** | 605398 |
| **3D Structure** | ModBase 3D Structure for Q9H2A7 |
| **Related Product Information for CXCL10 elisa kit** | MBS036030 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CXC-Chemokine Ligand 10 (CXCL10) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CXCL10. The ELISA analytical biochemical technique of the MBS036030 kit is based on CXCL10 antibody-CXCL10 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CXCL10 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CXCL10. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%). |
| **Other Notes** | Small volumes of CXCL10 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for CXCL10. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 154816176 |
| **NCBI GeneID** | 58191 |
| **NCBI Accession #** | NP_071342.2 |
| **UniProt Primary Accession #** | Q9H2A7 |
| **UniProt Secondary Accession #** | Q8TC80; Q96K63; Q9BXD6; Q9H2F6; A0N0N4; A8K7U9; B2RCB0 |
| **UniProt Related Accession #** | Q9H2A7 |
| **GenBank Nucleotide #** | NM_022059.3 |
| **NCBI Official Full Name** | C-X-C motif chemokine 16 |
| **NCBI Official Synonym Full Names** | chemokine (C-X-C motif) ligand 16 |
| **NCBI Official Symbol** | CXCL16 |
| **NCBI Official Synonym Symbols** | SRPSOX; CXCLG16; SR-PSOX |
| **UniProt Protein Name** | C-X-C motif chemokine 16 |

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| **UniProt Synonym Protein Names** | Scavenger receptor for phosphatidylserine and oxidized low density lipoprotein; SR-PSOX; Small-inducible cytokine B16; Transmembrane chemokine CXCL16 |
| **Protein Family** | C-X-C motif chemokine |
| **UniProt Gene Name** | CXCL16 |
| **UniProt Synonym Gene Names** | SCYB16; SRPSOX; SR-PSOX |
| **UniProt Entry Name** | CXL16_HUMAN |
| **NCBI Protein Information** | C-X-C motif chemokine 16; CXC chemokine ligand 16; small-inducible cytokine B16; transmembrane chemokine CXCL16; scavenger receptor for phosphatidylserine and oxidized low density lipoprotein |
| **UniProt Comments for CXCL10** | CXCL16: Acts as a scavenger receptor on macrophages, which specifically binds to OxLDL (oxidized low density lipoprotein), suggesting that it may be involved in pathophysiology such as atherogenesis. Induces a strong chemotactic response. Induces calcium mobilization. Binds to CXCR6/Bonzo. Belongs to the intercrine alpha (chemokine CxC) family.<br><br>Protein type: Membrane protein, integral<br><br>Chromosomal Location of Human Ortholog: 17p13<br><br>Cellular Component: extracellular space; membrane; plasma membrane; integral to membrane; extracellular region<br><br>Molecular Function: low-density lipoprotein receptor activity; chemokine activity; scavenger receptor activity<br><br>Biological Process: receptor-mediated endocytosis; response to cytokine stimulus; chemotaxis; positive regulation of cell growth; positive regulation of cell migration |
| **Research Articles on CXCL10** | **1.** High serum sCXCL16 is a prognostic marker for poor survival of OC patients, possibly reflecting ADAM-10 and ADAM-17 pro-metastatic activity. |
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