# Clara Cell Protein 16 (CC16) ELISA Kit for Human

## PRODUCT OVERVIEW

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| **Product Name** | Clara Cell Protein 16 (CC16), ELISA Kit |
| **Full Product Name** | Human Clara Cell Protein 16 (CC16) ELISA Kit |
| **Product Gene Name** | CC16 elisa kit |
| **Product Synonym Names** | FV; FVL; PCCF; Proaccelerin; Labile Factor; Factor V Leiden; Accelerator Globulin |
| **Species Reactivity** | Human |
| **Assay Type** | Sandwich |
| **Samples** | Serum, plasma, tissue homogenates, cell lysates, lung lavage fluid , cell culture supernates and other biological fluids. |
| **Detection Range** | 62.5-4000pg/mL |
| **Sensitivity** | 23.5pg/mL |
| **Preparation and Storage** | For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C. |
| **Molecular Weight** | 9,994 Da |
| **OMIM** | X13197 mRNA |
| **3D Structure** | ModBase 3D Structure for P11684 |
| **Intra Assay** | CV<10% |
| **Inter Assay** | CV<12% |
| **ISO Certification** | Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory. |
| **Related Product Information for CC16 elisa kit** | MBS452755 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Clara Cell Protein 16 (CC16) 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 CC16. The ELISA analytical biochemical technique of the MBS452755 kit is based on CC16 antibody-CC16 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CC16 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CC16. 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 CC16 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 CC16. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 4507809 |
| **NCBI GeneID** | 7356 |
| **NCBI Accession #** | NP_003348.1 |
| **UniProt Primary Accession #** | P11684 |
| **UniProt Secondary Accession #** | Q6FHH3; Q9UCM2; Q9UCM4; B2R5F2 |

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| **UniProt Related Accession #** | P11684 |
| **GenBank Nucleotide #** | NM_003357.4 |
| **NCBI Official Full Name** | uteroglobin |
| **NCBI Official Synonym Full Names** | secretoglobin family 1A member 1 |
| **NCBI Official Symbol** | SCGB1A1 |
| **NCBI Official Synonym Symbols** | UGB; UP1; CC10; CC16; CCSP; UP-1; CCPBP |
| **UniProt Protein Name** | Uteroglobin |
| **UniProt Synonym Protein Names** | Clara cell phospholipid-binding protein; CCPBP; Clara cells 10 kDa secretory protein; CC10; Secretoglobin family 1A member 1; Urinary protein 1; UP-1; UP1; Urine protein 1 |
| **UniProt Gene Name** | SCGB1A1 |
| **UniProt Synonym Gene Names** | CC10; CCSP; UGB; CCPBP; CC10; UP-1; UP1; Urine protein 1 |
| **NCBI Protein Information** | uteroglobin |
| **NCBI Summary for CC16** | This gene encodes a member of the secretoglobin family of small secreted proteins. The encoded protein has been implicated in numerous functions including anti-inflammation, inhibition of phospholipase A2 and the sequestering of hydrophobic ligands. Defects in this gene are associated with a susceptibility to asthma. [provided by RefSeq, May 2010] |
| **UniProt Comments for CC16** | Binds phosphatidylcholine, phosphatidylinositol, polychlorinated biphenyls (PCB) and weakly progesterone, potent inhibitor of phospholipase A2. |
| **Research Articles on CC16** | **1.** Lung-specific (CC-16) and novel (RelB) biomarkers are associated with systemic cardiovascular changes over time. CC-16 can predict subsequent exacerbations in subjects with severe COPD and may be an important biomarker of pulmonary and systemic stress in COPD. |
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