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HCC 14/CCL16

Catalog # PVGS1393

Product Information

Primary Accession O15467
Species Human

Sequence Gln24-Gln120

Purity > 98% as analyzed by SDS-PAGE

Endotoxin Level

Biological Activity The EC₅₀ value of human HCC [4/CCL16 on Ca²⁺ mobilization assay in

CHO-K1/Ga15/hCCR1 cells (human Ga15 and human CCR1 stably expressed in

CHO-K1 cells) is less than 1.5 \(\textstyle g/ml. \)

Expression System CHO

Theoretical Molecular Weight 11.2 kDa

Formulation Lyophilized after extensive dialysis against PBS.

Reconstitution It is recommended that this vial be briefly centrifuged prior to opening to

bring the contents to the bottom. Reconstitute the lyophilized powder in

ddH₂O or PBS up to 100 □g/ml.

Storage & Stability Upon receiving, this product remains stable for up to 6 months at lower than

-70°C. Upon reconstitution, the product should be stable for up to 1 week at 4°C or up to 3 months at -20°C. For long term storage it is recommended that a carrier protein (example 0.1% BSA) be added. Avoid repeated freeze-thaw

cycles.

Additional Information

Gene ID 6360

Other Names C-C motif chemokine 16, Chemokine CC-4, HCC-4, Chemokine LEC,

IL-10-inducible chemokine, LCC-1, Liver-expressed chemokine, Lymphocyte

and monocyte chemoattractant, LMC, Monotactin-1, MTN-1, NCC-4,

Small-inducible cytokine A16, CCL16, ILINCK, NCC4, SCYA16

Target Background Human HCC4, also named NCC4and Chemokine (C-C motif) ligand 16 (CCL16)

is a small cytokine belonging to the CC chemokine family that is known under

several pseudonyms, including Liver-expressed chemokine (LEC) and Monotactin-1 (MTN-1). It can signal through the CCR8 and CCR1 receptors,

and it is chemotactic towards monocytes and lymphocytes but not

neutrophils. HCC-4 is expressed weakly by some lymphocytes, including NK cells, T cells, and some T cell clones. The expression of HCC-4 in monocytes is greatly up-regulated in the presence of IL-10. HCC-4 induces a calcium flux in

Protein Information

Name CCL16

Synonyms ILINCK, NCC4, SCYA16

Function Shows chemotactic activity for lymphocytes and monocytes but not

neutrophils. Also shows potent myelosuppressive activity, suppresses proliferation of myeloid progenitor cells. Recombinant SCYA16 shows

chemotactic activity for monocytes and THP-1 monocytes, but not for resting lymphocytes and neutrophils. Induces a calcium flux in THP-1 cells that were

desensitized by prior expression to RANTES.

Cellular Location Secreted.

Tissue Location Mainly expressed in liver, also found in spleen and thymus. Highly expressed

in LPS- and IFN-gamma-activated monocytes, weakly in some lymphocytes, including natural killer cells, gamma-delta T-cells, and some T-cell clones

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.