

HB220505

Recombinant Human Hemofiltrate CC Chemokine-1/CCL14

(Human HCC-1/CCL14)

Product Information

Product Name	Cat#	Size
	90959ES10	10 µg
Recombinant Human Hemofiltrate CC Chemokine-1/CCL14 (Human HCC-1/CCL14)	90959ES60	100 µg
	90959ES76	500 µg

Product Description

Human CCL14 is belonging to the CC chemokine family. It has two isoforms, CCL14a (HCC-1) and CCL14b (HCC-3). The sequence of HCC-3 differs from HCC-1 as follow: 27-27 R → QTGGKPKVVKIQLKLVG. CCL14 was first isolated from the hemofiltrate of human patients with chronic renal failure. CCL14 promotes chemotaxis of T lymphocytes, monocytes and eosinophils, and inhibits infection of M-tropic human immunodeficiency virus type 1 and is a ligand for CCR1, CCR3 and CCR5. CCL14 is expressed constitutively in several normal tissues: spleen, liver, skeletal and heart muscle, gut, and bone marrow, present at high concentrations in plasma.

Product Properties

Synonyms	CC-1 Protein, Human; CC-3 Protein, Human; CKB1 Protein, Human; FLJ16015 Protein, Human; HCC-1 Protein, Human; HCC-1(1-74) Protein, Human; HCC-1/HCC-3 Protein, Human; HCC-3 Protein, Human; MCIF Protein, Human; NCC-2 Protein, Human; NCC2 Protein, Human; SCYA14 Protein, Human; SCYL2 Protein, Human; SY14 Protein, Human
Accession	Q16627
GeneID	6358
Source	E.coli-derived human Hemofiltrate CC Chemokine-1 Protein, Thr22-Asn93
Molecular Weight	Approximately 8.4 kDa.
AA Sequence	TESSSRGPYH PSECCFTYTT YKIPRQRIMD YYETNSQCSK PGIVFITKRG HSVCTNPSDK WVQDYIKDMK EN
Tag	None
Physical Appearance	Sterile Filtered White lyophilized (freeze-dried) powder.
Purity	> 96 % by SDS-PAGE and HPLC analyses.
Biological Activity	Fully biologically active when compared to standard. The biological activity determined by a chemotaxis bioassay using human monocytes is in a concentration of 5.0-20 ng/ml.
Endotoxin	< 1.0 EU per 1µg of the protein by the LAL method.
Formulation	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM PB, pH 7.4, 100 mM NaCl. We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom.
Reconstitution	Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

Shipping and Storage

The products are shipped with ice pack and can be stored at -20°C to -80°C for 1 year.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

Cautions

1. Avoid repeated freeze-thaw cycles.
2. For your safety and health, please wear lab coats and disposable gloves for operation.
3. For research use only.