



Recombinant Protein Technical Manual

Recombinant Human CCL8/MCP-2 Protein (Human Cells, His Tag)

RPES4944

Product Data:

Product SKU: RPES4944

Size: 10µg

Species: Human

Expression host: Human Cells

Uniprot: P80075

Protein Information:

Molecular Mass: 10.0 kDa

AP Molecular Mass: 13 kDa

Tag: C-6His

Bio-activity:

Purity: > 95 % as determined by reducing SDS-PAGE.

Endotoxin: < 1.0 EU per µg as determined by the LAL method.

Storage: Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 1mM EDTA, pH 7.4.

Reconstitution: Please refer to the printed manual for detailed information.

Application:

Synonyms: C-C Motif Chemokine 8; HC14; Monocyte Chemoattractant Protein 2; Monocyte Chemotactic Protein 2; MCP-2; Small-Inducible Cytokine A8; CCL8; MCP2; SCYA10; SCYA8; HC14

Immunogen Information:

Sequence: Gln24-Pro99

Background:

Human Chemokine (C-C Motif) Ligand 8 (CCL8) is produced by human MG63 osteosarcoma cells. CCL8 shares 62% and 58% amino acid sequence identity with MCP and MCP-3, respectively. All three MCP proteins are monocyte chemoattractants. CCL8 is chemotactic for and activates many different immune cells, including mast cells, eosinophils and basophils, which are implicated in allergic response, and monocytes, T cells, and NK cells that are involved in the inflammatory response. CCL8 elicits its effects by binding to several different cell surface receptors including CCR1, CCR2B and CCR5.