

Recombinant Human CCL22/MDC Protein

Recombinant Protein

Product Information

Product No.: M171

Storage: -20°C to -70°C

Product Description

Background:

Chemokine (C-C motif) ligand 22, also known as CCL22 is secreted by dendritic cells and macrophages, and elicits its effects on its target cells by interacting with cell surface chemokine receptors such as CCR4.¹ CCL22 selectively chemo-attract T_H2 cytokine-producing cells^{2,3} and acts as an important activator of eosinophils once these cells have migrated into tissue.⁴

Known Reactivity Species:

Human

Expression Host:

E. coli Cells

Formulation

This recombinant protein was lyophilized from a 0.2 µm filtered solution in 30% acetonitrile (CH₃CN) and 0.1% trifluoroacetic acid (TFA).

Purity

>97% by SDS-PAGE and analyzed by silver stain.

Endotoxin

<0.01 EU/µg as determined by the LAL method

Storage and Stability

This lyophilized protein is stable for six to twelve months when stored desiccated at -20°C to -70°C. After aseptic reconstitution, this protein may be stored at 2°C to 8°C for one month or at -20°C to -70°C in a manual defrost freezer.

Avoid Repeated Freeze Thaw Cycles.

Country of Origin

USA

References

1. Sozzani, S. *et al.* (2001) *Eur. J. Immunol.* 31:812
2. Elias, CG. *et al.* (1998) *J Immunol.* 161:5027
3. Gray, PW. *et al.* (1997) *J Exp Med.* 185:1604
4. Teixeira, MM. *et al.* (2003) *J Leuko Biol.* 73:356