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## Product Datasheet

### Recombinant Mouse CCL2 EBT-EPT150

Artikelname	Recombinant Mouse CCL2
Artikelnummer	EBT-EPT150
Hersteller Artikelnummer	EPT150
Alternativnummer	EBT-EPT150-10
Hersteller	ELK Biotechnology
Kategorie	Proteine/Peptide
Produktbeschreibung	Recombinant Mouse C-C Motif Chemokine 2 is produced by our E.coli expression system and the target gene encoding Gln24-Arg96 is expressed....
Molekulargewicht	Molecular weight: 8.5 KDa. Apparent molecular weight: 12 KDa, reducing conditions
UniProt	<a href="#">P10148</a>
Reinheit	Greater than 95% as determined by reducing SDS-PAGE.

Anwendungsbeschreibung

Redissolve: Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 $\mu$ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.. Endotoxin: Less than 0.001 ng/ $\mu$ g (0.01 EU/ $\mu$ g) as determined by LAL test. Background: C-C motif chemokine 2 (CCL2) is a member of the C-C or beta chemokine family. Mouse CCL2 shares 82% amino acid (aa) identity with rat CCL2 over the entire sequence, and 58%, 56%, 55%, 53% and 53% aa identity with human, equine, porcine, bovine and canine CCL2, respectively. Fibroblasts, glioma cells, smooth muscle cells, endothelial cells, lymphocytes and mononuclear phagocytes can produce CCL2 either constitutively or upon mitogenic stimulation, but monocytes and macrophages appear to be the major source. In addition to its chemotactic activity, CCL2 induces enzyme and cytokine release by monocytes, NK cells and lymphocytes, and histamine release by basophils that express its receptor, CCR2. Additionally, it promotes Th2 polarization in CD4+ T cells. CCL2-mediated recruitment of monocytes to sites of inflammation is proposed to play a role in the pathology of atherosclerosis, multiple sclerosis and allergic asthma