

## Ccl20

### Recombinant Mouse MIP-3 alpha / CCL20

<b>Catalog No.</b>	CRM431A	<b>Quantity:</b>	5 µg
	CRM431B		100 µg
	CRM431C		1 mg

**Alternate Names:** C-C motif chemokine 20, CCL20, macrophage inflammatory protein 3 alpha, small-inducible cytokine A20, CC chemokine LARC, CC chemokine ST38, beta-chemokine exodus-1

**Description:** Macrophage inflammatory protein-3 alpha (MIP-3 α), also called CCL20, is expressed in the liver, lungs, lymph nodes, and peripheral blood lymphocytes. MIP-3 α expression is strongly induced by inflammatory signals, and downregulated by the anti-inflammatory cytokine interleukin 10 (IL-10). MIP-3 α signals through the G protein-coupled receptor CCR6 to function as a chemoattractant to lymphocytes and dendritic cells.

**Gene ID:** 20297

**UniProt ID:** O89093

**Source:** *E. coli*

**Molecular Weight:** Monomer, 8 kDa (70 aa)

**Formulation:** Lyophilized from a sterile-filtered solution containing 0.1% Trifluoroacetic Acid (TFA)

**Purity:** ≥95% by reducing and non-reducing SDS-PAGE

**Endotoxin Level:** ≤1 EU/µg by kinetic LAL analysis

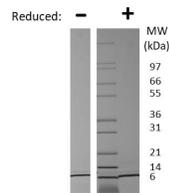
**Biological Activity:** Demonstrates primary human T cell chemotaxis at a lower limit of 5 ng/mL.

**Amino Acid Sequence:** ASNYDCCLSY IQTPLPSRAI VGFTRQMADE ACDINAIIFH TKKRKSVCAD  
PKQNWVKRAV NLLSLRVKKM

**Reconstitution:** **Centrifuge vial prior to opening.** Add sterile distilled water to reconstitute to a recommended concentration of 0.1 mg/mL and gently pipet solution up and down sides of vial. **DO NOT VORTEX.** Allow several minutes for reconstitution. A small amount of precipitate may be seen.

**Storage & Stability:** **Upon receipt,** store as supplied at -20°C to -80°C for up to 1 year. **Upon reconstitution,** the preparation is stable for up to one month at 2-8°C. **For long term storage,** reconstitute in working aliquots in 0.1% BSA solution and store at -80°C. **Avoid repeated freeze-thaw cycles.**





**Mouse MIP-3 alpha / CCL20 Gel**

Figure: 1 ug run under (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Mouse MIP-3 alpha / CCL20 is a monomer with a predicted MW of 8 kDa.

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**



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