

**RPCB1675**

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## Product Information

<b>Product SKU:</b>	RPCB1675	<b>Gene ID:</b>	20303	<b>Size:</b>	10 $\mu$ g
<b>Tag:</b>	C-His	<b>Reactivity:</b>	Mouse		

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## Additional Information

<b>Expression Host:</b>	-	<b>Swissprot:</b>	P14097
<b>Purity:</b>	> 90% by SDS-PAGE.		

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## Protein Information

**Background:** CCL4, also known as macrophage inflammatory protein 1 beta (MIP-1 beta), is a 12 kDa beta chemokine that is secreted at sites of inflammation by activated leukocytes, lymphocytes, vascular endothelial cells, and pulmonary smooth muscle cells. CCL4 attracts a variety of immune cells to sites of microbial infection as well as to other pathologic inflammation such as allergic asthma and ischemic myocardium. A CCL4 deficiency in mice promotes the development of autoantibodies, possibly as a result of compromised regulatory T cell recruitment. CCL4 is secreted from activated monocytes as a heterodimer with CCL3/MIP-1 alpha. The first two N-terminal amino acids can be cleaved from human CCL4 by CD26/DPPIV. Both the full length and truncated forms exert biological activity through CCR5. Both forms of CCL4 block HIV-1 infection of T cells by inducing the downregulation of CCR5.

**Protein Description:** High quality, high purity and low endotoxin recombinant Recombinant Mouse CCL4/MIP-1 $\beta$  Protein, tested reactivity in Pichia and has been validated in SDS-PAGE. 100% guaranteed.

**Endotoxin:** < 1 EU/ $\mu$ g of the protein by LAL method

**Formulation:** Lyophilized from 0.22  $\mu$ m filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

**Storage:**

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.