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PA1167X OriGene EU

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Recombinant Human Macrophage Inflammatory protein-1 beta (CCL4)

Alternate names:	CCL4, MIP1 beta
Catalog No.:	PA1167X
Quantity:	10 µg
Species:	Human
Source:	E. coli
Format:	Purity: >99% Greater than 99.0% as determined by: (a) Analysis by RP-HPLC. (b) Anion-exchange FPLC. (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
	Endotoxin: Less than 0.1 ng/μg (IEU/μg) of rHuMIP-1β.
	Dimers / aggregates: Less than
Description:	Recombinant Human MIP-1 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 69 amino acids and having a molecular mass of 7620 Dalton. The rHuMIP-1 β is purified by proprietary chromatographic techniques. Format: This antigen is supplied as sterile filtered, white lyophilized (freeze-dried) powder. SDF-1a was lyophilized from a concentrated (1 mg/ml) solution in water containing no additives. It is recommended to reconstitute the lyophilized rHuMIP-1 β in sterile 18 MO-cm H2O not less than 100µg/ml, which can then be further diluted to other aqueous solutions. Protein quantitation was carried out by two independent methods: 1. UV spectroscopy at 280 nm . 2. Analysis by RP-HPLC, using a standard solution of MIP-1 β as a Reference Standard. AA Sequence: The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Pro-Met-Gly-Ser. Molecular weight: 8 kDa
Storage:	Lyophilized rHuMIP-1β although stable at room temperature for 3 weeks, should be stored desiccated below -18 C. Upon reconstitution rHuMIP-1β should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please avoid freeze-thaw cycles. Shelf life: one year from despatch.
General Readings:	 Jennes W, Vereecken C, Fransen K, de Roo A, Kestens L. Disturbed secretory capacity for macrophage inflammatory protein (MIP)-1 alpha and MIP-1 beta in progressive HIV infection. AIDS Res Hum Retroviruses. 2004 Oct;20(10):1087-91. PubMed PMID: 15585099. Chiba K, Zhao W, Chen J, Wang J, Cui HY, Kawakami H, et al. Neutrophils secrete MIP-1 beta after adhesion to laminin contained in basement membrane of blood vessels. Br J

For research and in vitro use only. Not for diagnostic or therapeutic work. Material Safety Datasheets are available at www.acris-antibodies.com or on request.

Acris Antibodies is now part of the OriGene family. Learn more at www.origene.com



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Haematol. 2004 Dec;127(5):592-7. PubMed PMID: 15566363.

3. McCornack MA, Boren DM, LiWang PJ. Glycosaminoglycan disaccharide alters the dimer dissociation constant of the chemokine MIP-1 beta. Biochemistry. 2004 Aug 10;43(31):10090-101. PubMed PMID: 15287737.

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 Li Y, Douglas SD, Pleasure DE, Lai J, Guo C, Bannerman P, et al. Human neuronal cells (NT2-N) express functional substance P and neurokinin-1 receptor coupled to MIP-1 beta

expression. J Neurosci Res. 2003 Feb 15;71(4):559-66. PubMed PMID: 12548712.



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