

## Murine BD-1

Synonyms: Beta-defensin 1, BD-1, Defensin beta 1, hBD-1, HBD1, HBP1, DEFB1, HBD-1, HBP-1, DEFB101, DEFB-1, MGC51822.

*PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING*

Size	Order #	Lot #	Expiry Date
5 µg	1180.960.005		
20 µg	1180.960.020		
1 mg	1180.960.199		

Please enquire for bulk quantities and other vial sizes

### Description

Recombinant Murine BD-1 produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 37 amino acids and having a molecular mass of 4.1 KDa. The BD 1 is purified by proprietary chromatographic techniques.

- **Source** *E. Coli*
- **Purity** ≥ 97 % (SDS-PAGE, RP-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** Lyophilized from a 0.2µm filtered concentrated solution in PBS, pH7.4\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

Measured by its ability to chemoattract CD34+ dendritic cells using a concentration range of 0.1-1.0 ug/ml, corresponding to a specific activity of 1,000-10,000units/mg.

### Reconstitution

It is recommended to reconstitute the lyophilized Mouse BD-1 in sterile 18M-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

### Stability

Lyophilized Mouse BD 1 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution BD 1 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 repeated freeze-thaw cycles.**

### Amino Acid Sequence

DQYKCLQHGG FCLRSSCP SN TKLQGTCKPD KPNCKS

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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