

Murine BD-2

Synonyms: Beta-defensin 2, BD-2, mBD-2, Defensin beta 2, Defb2, MGC129140, MGC129141.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
1 mg	1181.960.199		

Please enquire for bulk quantities and other vial sizes

Description

Recombinant Murine BD-2 (Beta Defensin-2) produced in E.Coli is a single, non-glycosylated polypeptide chain containing 51 amino acids and having a molecular mass of 5.5kDa. The BD-2 is purified by proprietary chromatographic techniques.

- **Source** *E. Coli*
- **Purity** $\geq 98\%$ (SDS-PAGE, RP-HPLC)
- **Endotoxin level** $\leq 0.1\text{ng}/\mu\text{g}$ ($\leq 1\text{EU}/\mu\text{g}$)
- **Buffer** The Mouse BD-2 was lyophilized from a $0.2\mu\text{m}$ filtered concentrated solution in PBS, pH7.4*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

Determined by the ability to chemoattract immature human dendritic cells at a concentration of 10-100ng/ml.

Reconstitution

It is recommended to reconstitute the lyophilized Beta Defensin-2 in sterile 18M-cm H₂O not less than 100 $\mu\text{g}/\text{ml}$, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Beta Defensin-2 Recombinant although stable at room temperature for 3 weeks, should be stored desiccated below -18°C . Upon reconstitution BD-2 should be stored at 4°C between 2-7 days and for future use below -18°C . **Please avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

AVGSLKSGY EAELDHCHTN GGYCVRAICP PSARRPGSCF PEKNPCKYM K

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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