

PRODUCT INFORMATION SUMMARY

Human BD-2

Purified Factor	Product Number	HC88854B	20 ug
		HC88854A	5.0 ug

DESCRIPTION:

Human Beta Defensins (BD-2) are proteins that exert anti-microbial activity in the innate immune system. These peptides are expressed on epithelial surfaces and some leukocytes. Beta Defensins incorporate three (3) intra-molecular disulfide bonds in a six cysteine motif. BD-2 is a 41 aa. protein with 4.3 kDa molecular weight.

SOURCE: E. Coli
Purity > 95% by HPLC analysis
Endotoxin < 0.1 ng per ug BD-2
Sterile-filtered and lyophilized from PBS

BIOLOGICAL ACTIVITY:

This human BD-2 was observed to chemoattract immature dendritic cells in range of 10.0 - 100.0 ng/mL in QC testing.

HANDLING AND STORAGE:

Purified Human BD-2 factor is provided lyophilized. Store lyophilized, at -20° C. Microcentrifuge before reconstitution (see below). Upon reconstitution in 50 uL of **10mM Acetic Acid**. Further dilute in PBS or other buffered solutions. Store small aliquots at -20° C, with addition of 0.1% BSA, for long-term storage - up to 3 months, at high concentration.

Before opening vial, it is recommended to microcentrifuge vial for 30 seconds to spin-down any lyophilized material that may adhere to top of vial. The small amounts of protein may adhere to the vial as a very thin coat of lyophilized material, and may be difficult to see as a pellet.

WARRANTY:

Products sold hereunder are warranted only to conform to the quantity and contents stated on the label at the time of delivery to the customer. There are no warranties, expressed or implied, which extend beyond the description on the label of the product.

RESEARCH USE ONLY -NOT for DRUG USE