

PRODUCT INFORMATION SUMMARY

Human 4-1BBL (CD137L)

Purified Factor	Product Number	HC66604	20.0 ug
		HC66604A	2.0 ug

DESCRIPTION:

Human 4-1BBL, also known as CD137L and TNFSF9, is a TNF-like protein expressed by dendritic cells, B cells and activated T cells. This factor produces a signal for T cell activation and binds to the 4-1BB receptor. Human 4-1BBL is a 19.5 kDa protein with total 185 a.a. residues.

SOURCE: E. Coli
Purity > 98% by HPLC analysis
Endotoxin < 0.1 ng per ug 4-1BBL
Sterile filtered and lyophilized.
Additive-free.

BIOLOGICAL ACTIVITY:

Fully biologically active when compared to standards, activity determined by dose-dependent induction of IL-8 by human PBMC, ED₅₀ of 10.0 ng/mL.

HANDLING AND STORAGE:

Purified 4-1BBL is provided lyophilized from Tris buffered saline with no additives. Store lyophilized, at -20° C. **Quick spin** and reconstitute with 50 uL distilled or sterile water, further dilute in PBS or other buffered solutions. Store small aliquots at -20° C for long-term storage, with addition of 0.1% BSA,, at high concentration - up to 3 months.

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