IL-1β (soluble) (human), (recombinant)

Citations: 3 View Online »

Ordering Information Order Online »

ALX-522-056-C010	10µg
ALX-522-056-3010	SuperPack - 3x10µg

Manuals, SDS & CofA View Online »

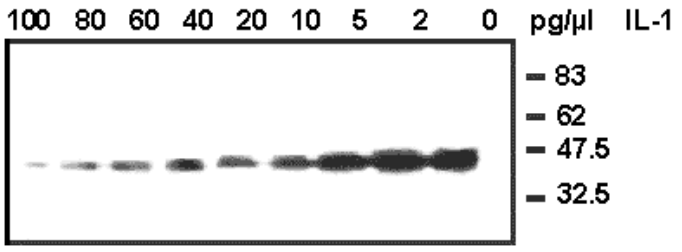


Figure: IL-1b activity was assessed by its ability to induce the activation of the NF-kB pathway. IkBa degradation was detected by Western blotting.
Method: Hela cells were grown to confluence in 6 well plates. IL-1b was diluted at the indicated concentrations in 500µl DMEM/Nut.Mix.F-12 10% fetal calf serum and added to the wells after being washed once with the same media. Cells were collected after 30 min and lysed. 100µg of cellular extract were separated on a SDS-PAGE and transferred on a nitrocellulose membrane. IkBa degradation was detected with a rabbit polyclonal antibody to IkBa and a goat anti-rabbit HRP-conjugated secondary antibody. Degradation of IkBa was detected at 10pg/µl IL-1b, under these conditions.

Handling & Storage

Use/Stability	Stable for at least 6 months after receipt when stored at -20°C.
Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	IL-1F2, Interleukin-1β
Concentration	0.1mg/ml after reconstitution.
Endotoxin Content	<0.1EU/µg purified protein (LAL test; Associates of CAPE COD Inc.).
Formulation	Lyophilized. Contains PBS.
Purity	≥90% (SDS-PAGE)
Reconstitution	Reconstitute with 100µl sterile water.
Source	Produced in *E. coli*. Human IL-1β (interleukin-1β) (aa 117-270) is fused to a linker peptide (10 aa) and an N-terminal FLAG®-tag.
Specificity	Binds to human IL-1R (interleukin-1 receptor).
Technical Info / Product Notes	Historical data has shown that IL-1β activates the NF-κB pathway. FLAG is a registered trademark of Sigma-Aldrich Co.
UniProt ID	P01584

ENZO LIFE SCIENCES, INC.
Phone: 800 942 0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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