IL-1β (human), (recombinant) (cell culture grade)

Potent immunomodulator

Potent immunomodulator. Mediates a wide range of immune and inflammatory responses including the activation of B and T cells.

Citations: 3 View Online »

Ordering Information Order Online »

ALX-520-0010	10µg

Manuals, SDS & CofA View Online »

Handling & Storage

Handling	Avoid freeze/thaw cycles. After reconstitution, prepare aliquots and store at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	IL-1F2, Interleukin-1β
Biological Activity	Exerts *in vitro* biological activity in the range of 0.1-10ng/ml.
CAS	97599-21-8
Formulation	Lyophilized. Salt-free.
MI	**14:** 4993
MW	~17kDa.
Purity	≥97% (SDS-PAGE)
Reconstitution	Reconstitute with water, PBS or aqueous buffer to a concentration of 100µg/ml. For further dilution carrier protein (~1%) should be added to avoid loss of bioactivity.
Source	Produced in *E. coli.*
Specific Activity	≥1×10^{7}U/mg protein. Determined by proliferation assay using human TF-1 (T. Kitamura, et al.; Int. Immunol. **3**, 571 (1991)). The ED_{50} for this effect is typically 0.2-2ng/ml. Results were compared with the international IL-1 reference standard preparation (WHO 86/680, NIBSC).
UniProt ID	P01584

Last modified: May 29, 2024

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