



Mouse IL-1 α

2 μ g
10 μ g

130-094-050
130-094-051

Description:

Mouse interleukin 1 α (IL-1 α) is a 18.0 kDa protein containing 156 amino acid residues. IL-1 α is a potent immuno-modulator which mediates a wide range of immune and inflammatory responses.

Source:	<i>E. coli</i>
Molecular mass:	17.9 kDa
Specific activity:	$\geq 1 \times 10^8$ U/mg
Endotoxin level:	<0.1 ng per μ g (1 EU/ μ g)
Purity:	>98% (SDS-PAGE, HPLC)
Buffer:	PBS (pH 7.4)
Stabilizer:	None
Product format:	Sterile filtered, lyophilized

Biological activity:

The ED₅₀ as determined by dose-dependent stimulation of the proliferation of mouse D10S cells is ≤ 0.01 ng/mL.

Reconstitution:

We recommend a quick spin followed by reconstitution in deionized sterile-filtered water to a concentration of 100 μ g/mL. This solution can then be diluted into other aqueous buffers and stored at 4 °C for 1 week or -20 °C for future use. For long-term storage it is recommended to add a carrier protein (0.1% HSA or BSA).

Storage:

The lyophilized protein is stable for a few weeks at room temperature, but best stored at -20 °C. Reconstituted Mouse IL-1 α should be stored in working aliquots at -20 °C. Avoid repeated freeze-thaw cycles.

All protocols and data sheets are available at www.miltenyibiotec.com.

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