

Human IL-1 beta Recombinant Protein

Product Details

Size	100 µg
Species	Human
Expression system	E. coli
Amino acid sequence	APVRSLNCTL RDSQQKSLVM SGPYELKALH LQGQDMEQQV VFSMSFVQGE ESNDKIPVAL GLKEKNLYLS CVLKDDKPTL QLESVDPKNY PKKKMEKRFBV FNKIEINNKL EFESAQFPNW YISTSQAENM PVFLGGTKGG QDITDFTMQF VSS
Molecular weight	17.5 kDa
Class	Recombinant
Type	Protein
Purity	>95% by SDS-PAGE
Endotoxin concentration	<0.1 ng/µg
Activity	ED50 = 1.4 - 4 pg/mL; determined by the dose-dependent proliferation of murine D10S cells.
Conjugate	Unconjugated
Form	Lyophilized
Purification	sequential chromatography
Contains	no preservative
Storage conditions	4° C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
Immunohistochemistry (IHC)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Functional Assay (FN)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-

Product Specific Information

Carrier-Free

Reconstitution: We recommend that the vial be briefly centrifuged prior to opening to bring the contents to the bottom. Lyophilized hIL-1 beta should be reconstituted in deionized water to 0.1-1.0 mg/mL to regain full activity. These stock solutions should be apportioned into working aliquots and stored at -20°C. Further dilutions should be made in low endotoxin medium or buffered solution with FBS or tissue culture grade BSA. **Storage:** Lyophilized hIL-1 beta should be stored at 2°C to 8°C, preferably desiccated. Store reconstituted hIL-1 beta at -20°C (not in a frost-free freezer). Keep freeze-thaw cycles to a minimum.

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