

Porcine IL-1 beta Recombinant Protein

Product Details	
Size	20 µg
Species	Pig
Class	Recombinant
Type	Protein
Conjugate	Unconjugated
Form	Lyophilized
Storage conditions	4° C

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	-
ELISA (ELISA)	Assay-dependent	-
Immunoprecipitation (IP)	Assay-dependent	-
Control (Ctrl)	Assay-dependent	-

Product Specific Information

For protein verification, the expressed protein was N-terminal sequenced and begins with the following 10 amino acids: EAEAANVQSM. The EAEA portion showed incomplete cleavage of the alpha-Factor signal by the Ste 13 protease. Purity is >95% by SDS-PAGE analyses.

Mature porcine IL-1b was expressed in Pichia pastoris, KM71H. GenBank Accession # P26889, amino acids 115 - 267.

Activity: The biological activity of recombinant porcine IL-1 beta was determined by measuring the proliferation of mouse D10S cells. For in vitro applications a dose-response assay should be performed to determine the optimal concentration for specific experiments.

Reconstitution and Dilution: Store lyophilized material at 4°C. Reconstitute in 0.5 mL of distilled or deionized water. Dilute in a buffer-containing carrier protein, aliquot, and store at or below -70°C, avoiding multiple freeze-thaw cycles. PBS with 1% BSA or a neutral media containing <10% FCS are suitable buffers.

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