

AR05233PU-S**Chicken Interleukin-1 beta / IL-1B****Alternate names:**

Catabolin, IL-1 beta, IL1 beta, IL1B, IL1F2

Quantity:

50 µg

Concentration:

250 µg/ml

Background:

Interleukin-1 (IL-1) is a pro-inflammatory cytokine secreted by many different cell types which acts upon a wide range of target cells, resulting in a diverse range of effects. The biological properties of IL-1 include the induction of B cell proliferation, stimulation of T cell proliferation in conjunction with IL-2 and the production of collagenase and prostaglandin by fibroblasts. IL-1 is also responsible for triggering the acute-phase response in the liver, and is involved in both cytokine network and vascular endothelium activation.

Uniprot ID:[P01584](#)**NCBI:**[NP_000567](#)**GeneID:**[3553](#)**Species:**

Chicken

Source:

Chicken

Format:**State:** Liquid purified protein**Purity:** >85% by Ni chelate Chromatography**Buffer System:** Phosphate buffered saline**Applications:**

In vitro Assay.

Functional Assays.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description:

His-tagged recombinant chicken interleukin-1 beta expressed in *E.coli*. This antigen induces corticosterone secretion in vivo(1) and is the immunogen used to produce chicken IL-1beta antibody product code SP2127A.

Molecular weight: 23kD**Storage:**

Store the protein at -20°C.

Avoid repeated freezing and thawing.

Shelf life: 3 month from despatch.

General Readings:

1. Weining KC, Sick C, Kaspers B, Staeheli P. A chicken homolog of mammalian interleukin-1 beta: cDNA cloning and purification of active recombinant protein. Eur J Biochem. 1998 Dec 15;258(3):994-1000. PubMed PMID: 9990317.
2. Gyorfy, Z. et al. (2003) Truncated chicken interleukin-1 beta with increased biologic activity. J. Interferon and Cytokine Research 23: 223-228.