

Product datasheet for **SP2127A**

IL1 beta (IL1B) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	ELISA. Western Blot: Detects a band of approximately 29kDa in HD-11 cell lysates transfected with chIL-1. Functional Assays.
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Chicken IL-1B
Specificity:	This antibody recognizes Chicken Interleukin 1 beta (chIL-1beta), which shares homology with Mammalian IL-1 beta. Other species not tested. This antibody neutralizes IL-1 beta (Ref.1-2).
Formulation:	PBS State: Azide Free State: Liquid purified IgG fraction Stabilizer: None Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on protein G
Conjugation:	Unconjugated
Storage:	Upon receipt, store undiluted (in aliquots) at -20°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	interleukin 1 beta
Database Link:	Entrez Gene 3553 Human P01584



[View online »](#)

Background:

IL-1 is a major regulator in both innate and adaptive immune responses, plays an important role in the regulation of acute inflammation and has also been implicated in many other processes, including both fever and fibrinogen induction. The previous names by which IL-1 has been known includes lymphocyte activating factor, endogenous pyrogen, catabolin, hemopoietin-1, melanoma growth inhibition factor, and osteoclast activating factor, reflecting its widespread cell expression. Studies using chicken models have indicated physiological similarities between chIL-1beta and mammalian IL-1beta in relation to its neural distribution and several factors have been shown to induce chIL-1beta secretion, including protein kinase C (PKC), Calmodulin-dependent protein kinase, lipopolysaccharide, phorbol esters, calcium and silica.

Synonyms:

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

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Alzheimer's disease, Apoptosis, Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Graft-versus-host disease, Hematopoietic cell lineage, MAPK signaling pathway, NOD-like receptor signaling pathway, Prion diseases, Toll-like receptor signaling pathway, Type I diabetes mellitus