

Product datasheet for **SP2128A**

IL6 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, FN, WB
Recommended Dilution:	ELISA. Western Blot: Detects a band of approximately 27kDa. Functional Assays.
Reactivity:	Chicken
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Chicken IL-6.
Specificity:	This antibody recognizes Chicken Interleukin 6 (chIL-6). Other species not tested. This antibody Neutralizes IL-6 in 7D1 bioassays.
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 6
Database Link:	Entrez Gene 3569 Human P05231



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Background:

Mammalian IL-6 is a multifunctional pro-inflammatory cytokine, which plays a major role in the regulation of immune responses, haematopoiesis and the induction of acute phase responses. The action of IL-6 occurs via the signal transducing receptor chain gp130 and the IL-6 receptor alpha chain is responsible for ligand binding. IL-6 is produced by a wide variety of cells including B lymphocytes, T lymphocytes, monocytes/macrophages, fibroblasts and endothelial cells and has a widespread cellular effect, including B and T lymphocytes, hepatocytes and cells of the CNS.

Studies relating to the properties of chIL-6 have been limited, but demonstrate that hepatocyte-stimulating factor (HSF), secreted by lipopolysaccharide (LPS)-stimulated macrophages, induces fibronectin production in cultured chicken hepatocytes, and that HSF produced by LPS-treated fibroblasts, was neutralized by an antiserum to recombinant Hull-6 (rHull-6). rHull-6 has also been shown as biologically active on chicken hepatocytes.

Synonyms:

IL-6, Interferon beta-2, IFNB2, B-cell stimulatory factor 2, BSF-2, CDF

Protein Families:

Druggable Genome, Secreted Protein

Protein Pathways:

Cytokine-cytokine receptor interaction, Cytosolic DNA-sensing pathway, Graft-versus-host disease, Hematopoietic cell lineage, Hypertrophic cardiomyopathy (HCM), Jak-STAT signaling pathway, NOD-like receptor signaling pathway, Pathways in cancer, Prion diseases, Toll-like receptor signaling pathway